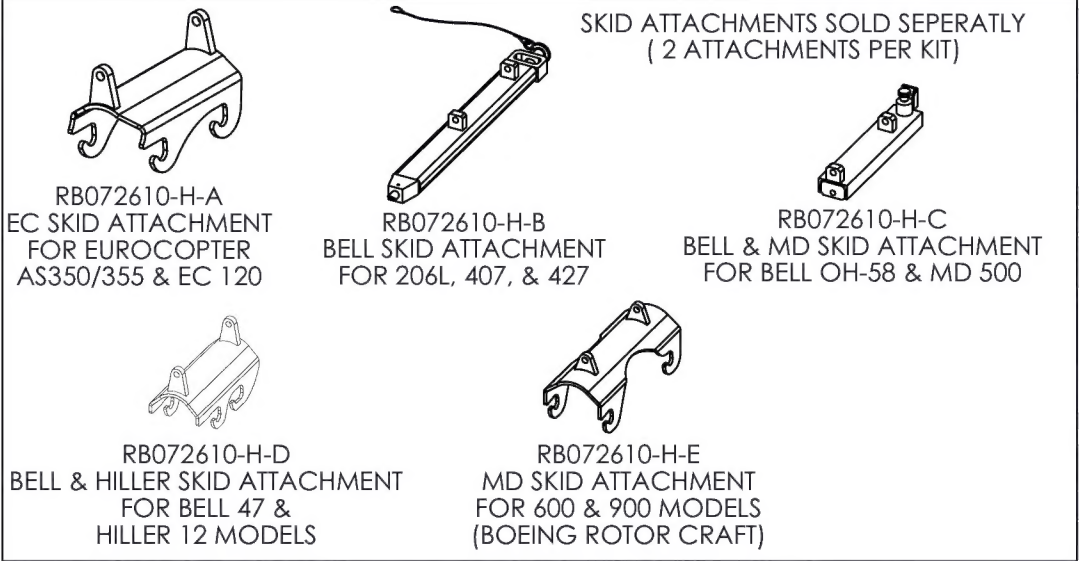
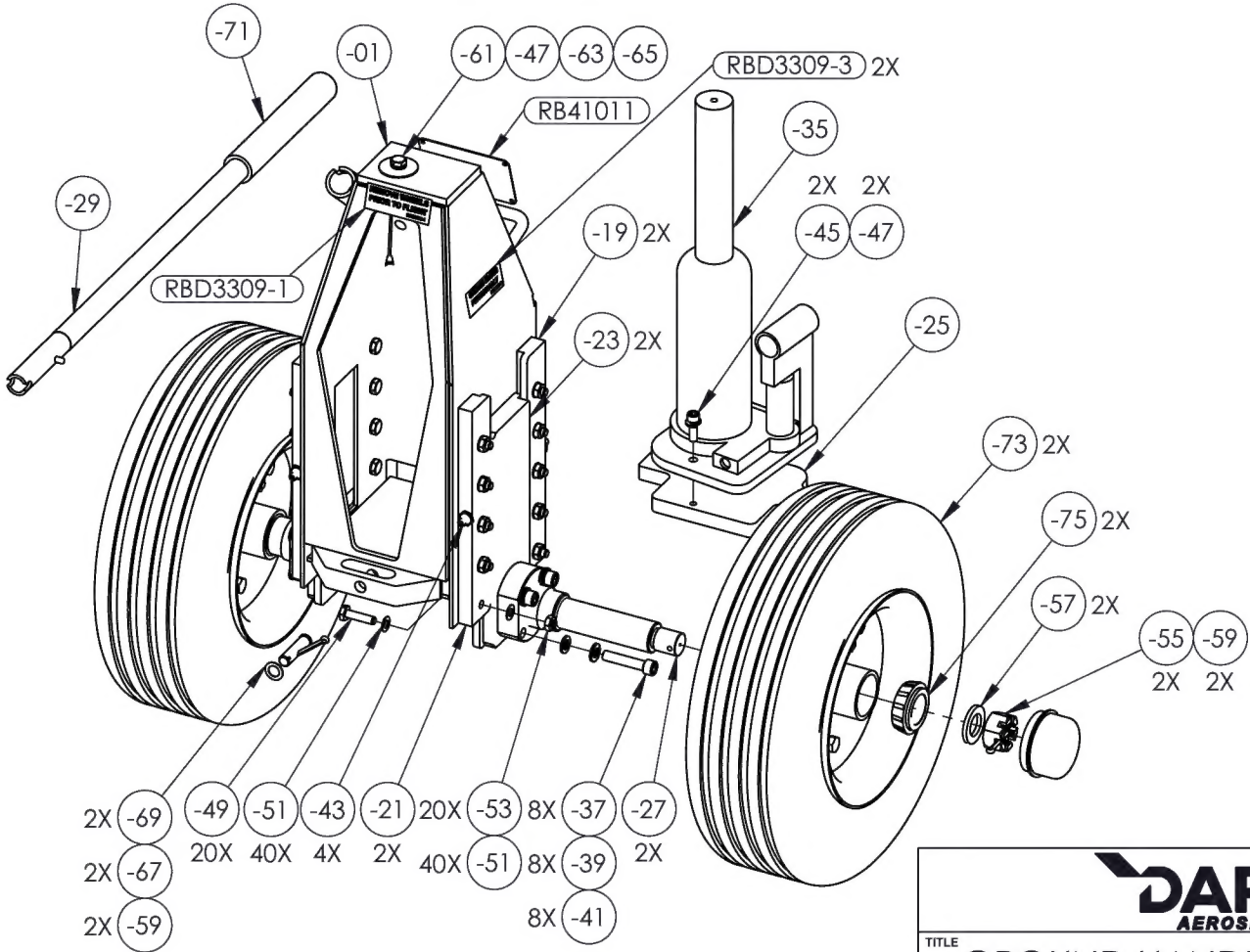


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| REVISIONS |         |  |           |         |          |
|-----------|---------|--|-----------|---------|----------|
| REV       | ECR     | DESCRIPTION  | DATE      | INITIAL | APPROVED |
| 1         |         | SHT 1. ATTACHMENTS CHANGED TO REF. -23 QTY FROM 2 TO 4, -37 FROM 5/16-18 TO 5/16-24, -61 FROM 3/4 TO 1, -65 FROM 5/16 TO 7/16. SHT 5 SHORTENED FROM 5.06 TO 4.62 SHT 12, 5/16-18 CHANGED TO 5/16-24, ADDED R.06 TO 2 EDGES. SHT 14. CHANGED LENGTH FROM 5.282 TO 6.06. SHT 16. REMOVED PINCHED NOSE, ADDED CUT OUT AND Ø.735 OVER 3 INCHES. SHT 18 ADDED THIS SHEET FOR CORRECT LENGHT   | 3/9/2011  | JAG     |          |
| 2         |         | SHT 2-4 INCREASED HEIGHT BY .50. SHT 5 ADDED 1/4 RADIUS. SHT 10-12 CH'D TO BLACK ANODIZE FROM GOLD. SHT 14 CORRECTED 3/4-16 UNF CALLOUT  | 2/23/2012 | JAG     | RW       |
| 3         | 16-0087 | <b>-01</b> DELETED BEVEL WELD FRONT & BACK, ADDED FILLET WELD 2X, CH'D FINISH WAS POWDER COAT FORREST T-5920 S9YELLOW RIBBON IS POWDER COAT YELLOW FED #13538. <b>-05</b> ADDED DIM 2X .25 TWO PLACES. <b>-09</b> CH'D DIMS WASR.280 IS 2X R.28, WAS 1.316 IS 1.32, WAS .658 IS .66, WAS .120 2X IS 2X .12, WAS .645 IS .65, WAS Ø.391 IS Ø.391 THRU ALL. <b>-11</b> CH'D DIMS WAS 2.844 IS 2.84, WAS 2.52 IS 2.54, WAS Ø.252 IS Ø.25. <b>-19</b> & <b>-21</b> DELETED DIMS 3.000, 4.500, AND 6.000. CH'D DIM WAS 1.500 IS 4X 1.500. CH'D ENGRAVE NOTE WAS ENGRAVE PART No. 3/16 LETTERS IS ENGRAVE P/N. <b>-23</b> CH'D DIM WAS .525 IS .535 +.010-.000. <b>-25</b> & <b>-29</b> CH'D FINISH WAS POWDER COAT FORREST T-5920 S9YELLOW RIBBON IS POWDER COAT YELLOW FED #13538. <b>-27</b> CH'D DIMS WAS .772 IS .77, WAS .125 IS .13, WAS Ø.650 IS Ø.65, CH'D ENGRAVE NOTE WAS ENGRAVE PART No. 3/16 LETTERS IS ENGRAVE P/N. <b>-31</b> CH'D DIM WAS Ø.188 IS Ø.188 THRU ALL. CH'D ENGRAVE NOTE WAS ENGRAVE PART No. 'RB072610-H-29. 3/16 LETTERS IS ENGRAVE 'RB072610-H-29'. <b>-35</b> DELETED TACK IN TWO PLACES WELD CALLOUT. ADDED CRATE TO BOM. <b>-75</b> ADDED TO BOM. ADDED RBD3309-1 & RBD3309-3 TO BOM. | 8/1/2016  | RJC     | JAG      |
| 4         | 17-0033 | <b>-01</b> CH'D DIM WAS (5.06) IS (5.25); REMOVED DIM (1.02)". <b>-03</b> CH'D DIM WAS 12.10 IS 12.05, WAS 3.22 IS (3.05), WAS 7.27 IS 7.33, WAS 13.03 IS 12.98, WAS 14.1 IS 14.3", WAS 10.2" IS 10.4", WAS (2X 10.3") IS 2X 10.3", WAS 7.26 IS 7.32, WAS 5.74 IS 5.63, WAS 12.75 IS 12.71, WAS 3.22 IS 3.05; ADDED DIM .25, 1.62, 1.75, 2X 10.4", .68; REMOVED DIM (2X .6"). 2.56, 2X .81. <b>-05</b> CH'D DIM WAS 2X .25 IS 2X .19, WAS 3.24 IS 3.13, WAS 5.30 IS 5.49, WAS 3.20 IS 3.03, WAS 2.43 IS 2.38, WAS 10.4" IS 11", WAS 4X .50 IS 4X .500, WAS 1.01 IS 10X 1.01; REMOVED DIM 1.2", 3.00, 2.75, 1.22, 10.4"; ADDED DIM 2X 11", 5.64, 1.97, 3.75; ADDED FLAT PATTERN SHEET. <b>-09</b> CH'D DIM WAS .65 IS 2X .65, ADDED DIM 1.65; REMOVED DIM (1.27)", .66. <b>-25</b> REMOVED DIM 3.125; CH'D DIM WAS 4X R.25 IS 6X R.25. <b>-27</b> CORRECTED REV 3 NOTES, REPLACE DIMS Ø.65, .13, .77 WITH .90, MIN THREAD RELIEF. <b>-29</b> ADDED NOTE 'INK STAMP P/N'. <b>-31</b> REMOVED NOTE 'INK STAMP 'RB072610-H-29"'. <b>-35</b> CH'D DIM WAS 1.563 IS 1.56.  | 2/8/2017  | SM      | JAG      |

| ASSY QTY | ASSY QTY | B/O | Part #    | UNIT QTY | Description                 | Material         | B/O INFORMATION OR SPECIFICATIONS                    | PG.  |
|----------|----------|-----|-----------|----------|-----------------------------|------------------|--|------|
|          | X        |     | -01       | 2        | HOUSING WELDMENT            |                  |  | 2    |
|          | 1        |     | -03       |          | FRONT                       | A36/1018/1020 HR |  | 3    |
|          | 1        |     | -05       |          | 3 SIDED FRAME               | A36/1018/1020 HR |  | 4, 5 |
|          | 2        |     | -09       |          | LATCH BAR                   | A36/1018/1020 HR |  | 6    |
|          | 1        |     | -11       |          | BOTTOM                      | A36/1018/1020 HR |  | 7    |
|          | 1        |     | -13       |          | TOP                         | A36/1018/1020 HR |  | 8    |
|          | 1        |     | -15       |          | HANDLE                      | 1018/1020 CR     |  | 9    |
|          |          |     | -17       | 1        | LOCK TUBE                   | DOM              |  | 10   |
|          |          |     | -19       | 4        | LEFT SLIDE CLAMP            | 6061             |  | 11   |
|          |          |     | -21       | 4        | RIGHT SLIDE CLAMP           | 6061             |  | 12   |
|          |          |     | -23       | 4        | SLIDE                       | 6061             |  | 13   |
|          |          |     | -25       | 2        | JACK PLATE                  | 4140/4142        |  | 14   |
|          |          |     | -27       | 4        | SPINDLE                     | 6061             |  | 15   |
| X        | 1        |     | -29       |          | HANDLE BAR WELDMENT         |                  |  | 16   |
| 1        |          |     | -31       |          | HANDLE BAR                  | DOM              |  | 17   |
| 1        |          | B/O | -33       |          | DOWEL PIN                   | STEEL            | Ø3/16 X 1 (MCMaster-CARR #98381A510)                 | 16   |
|          |          |     | -35       | 2        | 3 TON HYDRAULIC JACK        |                  | NORCO MODEL NO. 76503A (MODIFIED)                    | 18   |
|          |          | B/O | -37       | 16       | SOCKET HEAD CAP SCREW       | STEEL, PLATED    | 5/16-24 X 1-1/2 (MCMaster-CARR #91251A387)           | 1    |
|          |          | B/O | -39       | 16       | FLAT WASHER                 | STEEL, PLATED    | Ø5/16 ID AN960-516                                   | 1    |
|          |          | B/O | -41       | 16       | SPLIT LOCK WASHER           | STEEL            | Ø5/16 ID (MCMaster-CARR #91102A755)                  | 1    |
|          |          | B/O | -43       | 8        | ZERK FITTING                | STEEL, PLATED    | 1/4-28 (MCMaster CARR #1095K44)                      | 1    |
|          |          | B/O | -45       | 4        | SOCKET HEAD CAP SCREW       | STEEL, PLATED    | 1/4-20 X 3/4 (MCMaster-CARR #91251A540)              | 1    |
|          |          | B/O | -47       | 6        | SPLIT LOCK WASHER           | STEEL, PLATED    | Ø1/4 ID (MCMaster-CARR #91102A750)                   | 1    |
|          |          | B/O | -49       | 40       | HEX HEAD CAP SCREW          | STEEL, PLATED    | 1/4-28 X 1 (MCMaster-CARR #92865A008)                | 1    |
|          |          | B/O | -51       | 80       | FLAT WASHER                 | STEEL, PLATED    | Ø1/4 ID AN960-416L                                   | 1    |
|          |          | B/O | -53       | 40       | NYLOCK NUT                  | STEEL, PLATED    | 1/4-28 (MCMaster-CARR 94945A210)                     | 1    |
|          |          | B/O | -55       | 4        | SLOTTED HEX NUT             | STEEL, PLATED    | 3/4-16 (MCMaster-CARR #95030A270)                    | 1    |
|          |          | B/O | -57       | 4        | FLAT WASHER                 | STEEL, PLATED    | Ø3/4 ID (MCMaster-CARR #97669A400)                   | 1    |
|          |          | B/O | -59       | 4        | COTTER PIN                  | STEEL, PLATED    | Ø1/8 X 1-1/4 (MCMaster-CARR #98338A185)              | 1    |
|          |          | B/O | -61       | 2        | HEX HEAD CAP SCREW          | STEEL, PLATED    | 1/4-20 X 1 (MCMaster-CARR #92865A542)                | 1    |
|          |          | B/O | -63       | 2        | FENDER WASHER               | STEEL, PLATED    | Ø1/4 ID, Ø1-1/4 OD (MCMaster-CARR #91090A109)        | 1    |
|          |          | B/O | -65       | 2        | DRILL BUSHING               | STEEL            | Ø1/4 I.D X Ø3/8 O.D. X 1/4 (MCMaster-CARR #8491A099) | 1    |
|          |          | B/O | -67       | 4        | CLEVIS PIN W/HAIR PIN       | STEEL, PLATED    | Ø3/8 X 1-1/2 (MCMaster-CARR #97245A682)              | 1    |
|          |          | B/O | -69       | 4        | FLAT WASHER                 | STEEL PLATED     | Ø3/8 AN960-616L                                      | 1    |
|          |          | B/O | -71       | 2        | HANDLE BAR GRIP             | PLASTIC          | Ø3/4 X 6 MCMaster-CARR #9282K123                     | 1    |
|          |          | B/O | -73       | 4        | WHEEL ASSEMBLY              |                  | MHS CASTERS #TC-070-386-1TRB                         | 1    |
|          |          | B/O | -75       | 4        | TAPERED-ROLLER BEARING      | STEEL            | Ø 1" SHAFT, TRADE #L44643 (MCMaster-CARR #6678K12)   | 1    |
|          |          | B/O | RBD3309-1 | 1        | LABEL, REMOVE BEFORE FLIGHT |                  | SIGNS NOW  | 1    |
|          |          | B/O | RBD3309-3 | 2        | LABEL, GREASE SLIDES        |                  | SIGNS NOW  | 1    |
|          |          | B/O |           | 1        | DART PLACARD                | ALUMINUM         | RB41011  | 1    |
|          |          | B/O |           | 1        | CRATE ISPM15 CERTIFIED      |                  | {SPECIALTY CRATE #CRATE I.D. 29 X 20 X20}            | N/S  |
| ASSY -29 | ASSY -01 |     |           |          |                             |                  |  |      |

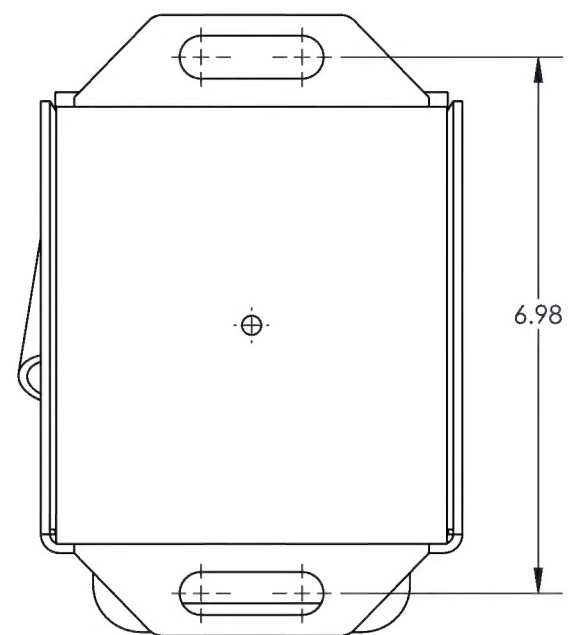
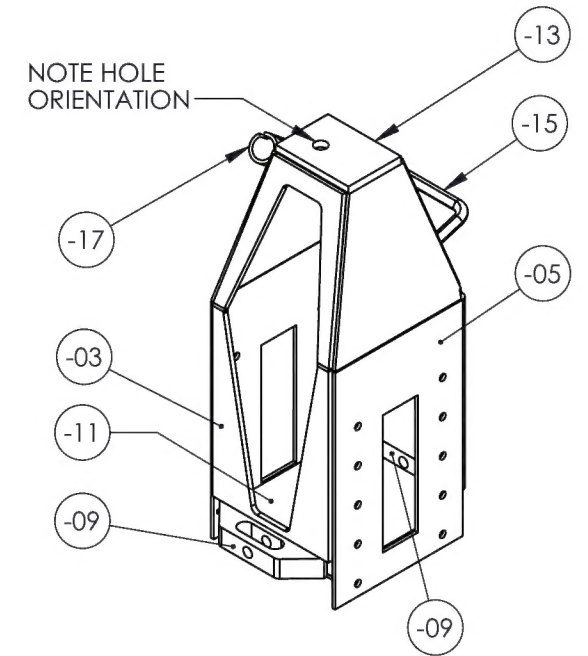
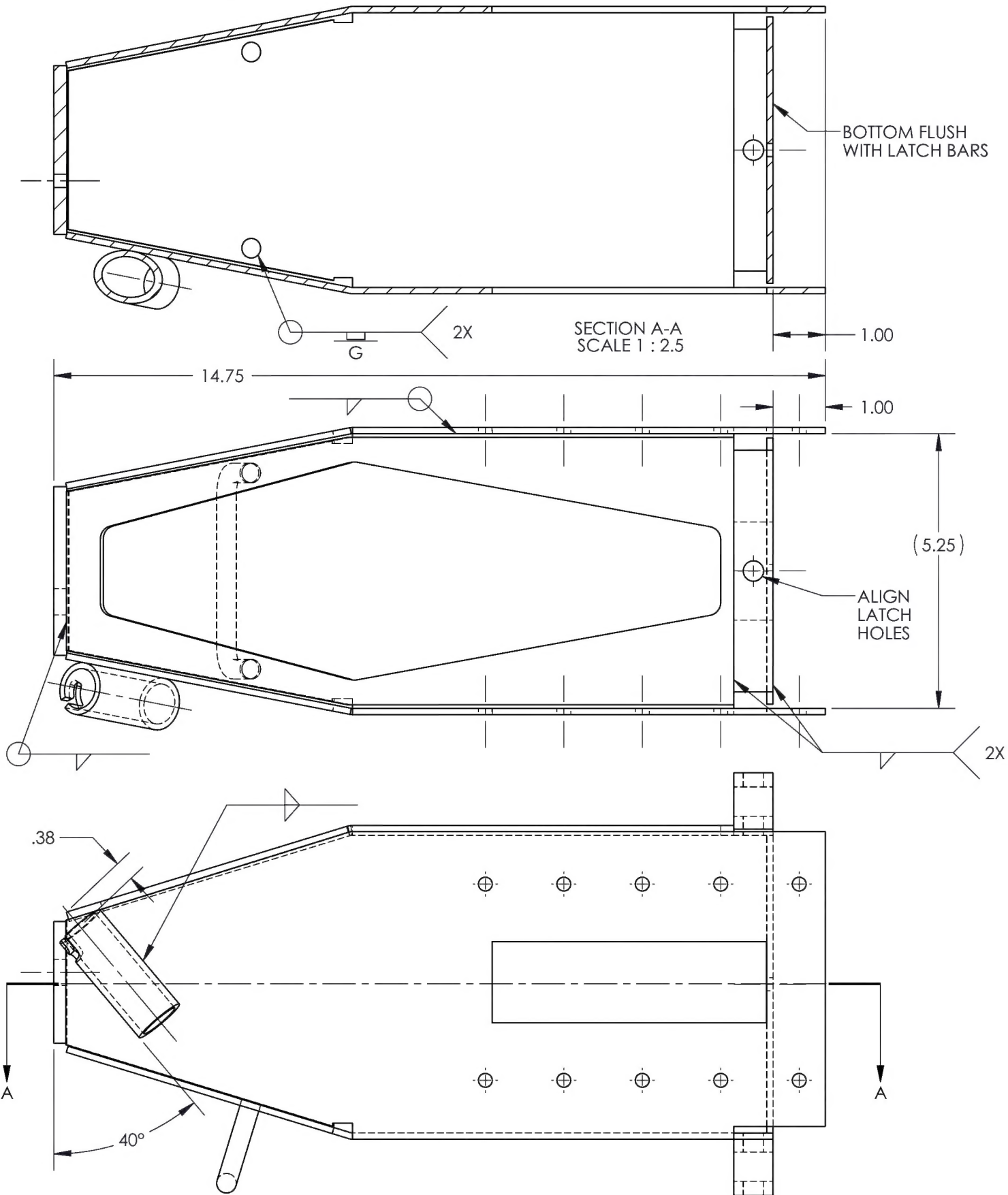


NOTE:  
1 UNIT SHOWN, QTY OF 2 REQUIRED

| DART<br>AEROSPACE                               |  |  |          |
|---|--|--|----------|
| TITLE<br>GROUND HANDLING WHEELS                 |  |  | REV<br>4 |
| DWG NO.<br>RB072610-H-00                        |  |  |          |
| MAT'L<br>HEAT<br>TREAT<br>FINISH<br>SPEC        |  | UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>FRACTIONS ± 1/8<br>XX ± .005<br>XX ± .01<br>X ± .1 |          |
| DRAWN BY:<br>CHECKED:<br>OPPS APPR:<br>QA APPR: |  | PERRITT<br>DUERFELDT<br>ANDERSON<br>LINDSAY  |          |
| APPROVED:<br>SCALE                              |  | GILBERT<br>1:6   |          |
| DATE  |  | 3/7/2011   |          |
| SHEET 1 OF 18                                   |  |  |          |

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| REVISIONS |         |  |           |         |          |
|-----------|---------|--|-----------|---------|----------|
| REV       | ECR     | DESCRIPTION  | DATE      | INITIAL | APPROVED |
| 2         |         | INCREASED HEIGHT BY .50 BELOW THE BEND.  | 2/23/2012 | JAG     |          |
| 3         | 16-0087 | -01 DELETED BEVEL WELD FRONT & BACK. ADDED FILLET WELD 2X. CH'D FINISH WAS POWDER COAT FORREST T-5920 \$9YELLOW RIBBON IS POWDER COAT YELLOW FED #13538. | 8/1/2016  | RJC     | JAG      |
| 4         | 17-0033 | -01 CH'D DIM WAS (5.06 ) IS (5.25); REMOVED DIM (1.02").   | 2/8/2017  | SM      | JAG      |



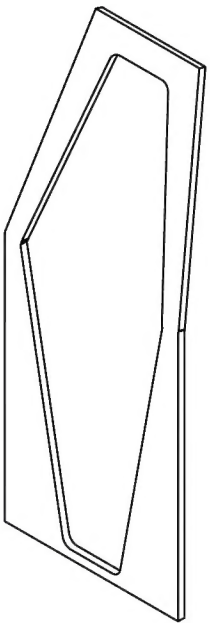
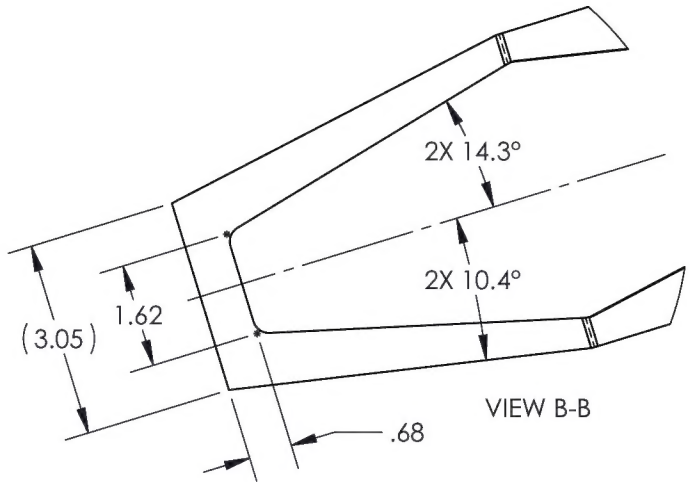
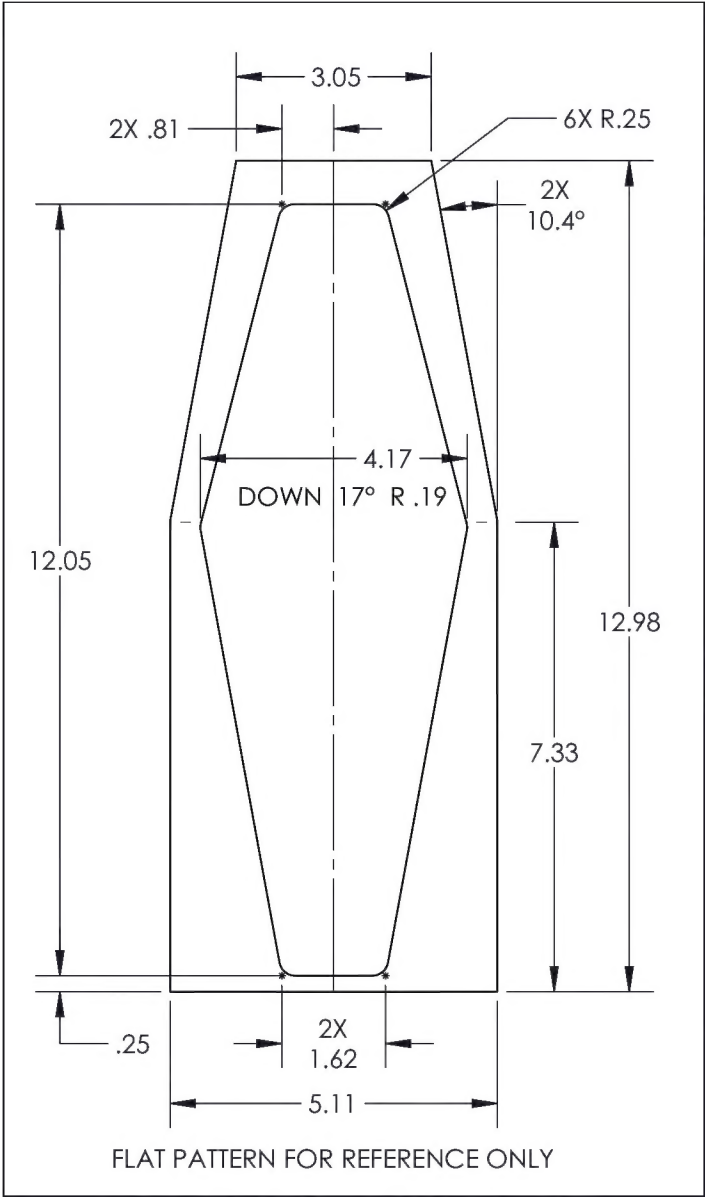
-01  
HOUSING WELDMENT

| DART<br>AEROSPACE  |                  |   |          |
|--|------------------|---|----------|
| TITLE<br>GROUND HANDLING WHEELS  |                  |   |          |
| DWG NO.<br>RB072610-H-00-01  |                  |   | REV<br>4 |
| MATERIAL<br>HEAT TREAT<br>FINISH POWDER COAT YELLOW<br>SPEC FED #13538 |                  | UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>.XXX ± .010 FRACTIONS ± 1/8<br>.XX ± .03 ANGLES ± 1°<br>.X ± .1 SURFACES = 125° |          |
| DRAWN BY: PERRITT  |                  | 1. BREAK ALL SHARP EDGES<br>.015 x 45° OR .015R   |          |
| CHECKED: DUERFELDT   |                  | 2. DIMENSIONAL LIMITS APPLY<br>AFTER PLATING  |          |
| OPPS APPR: ANDERSON  |                  | 3. INTERPRET DIM AND TOL PER<br>ASME Y14.5M-2009  |          |
| QA APPR: LINDSAY   |                  | USED ON MODEL   |          |
| APPROVED: GILBERT  |                  |   |          |
| SCALE<br>1:4   | DATE<br>3/7/2011 | SHEET 2 OF 18   |          |



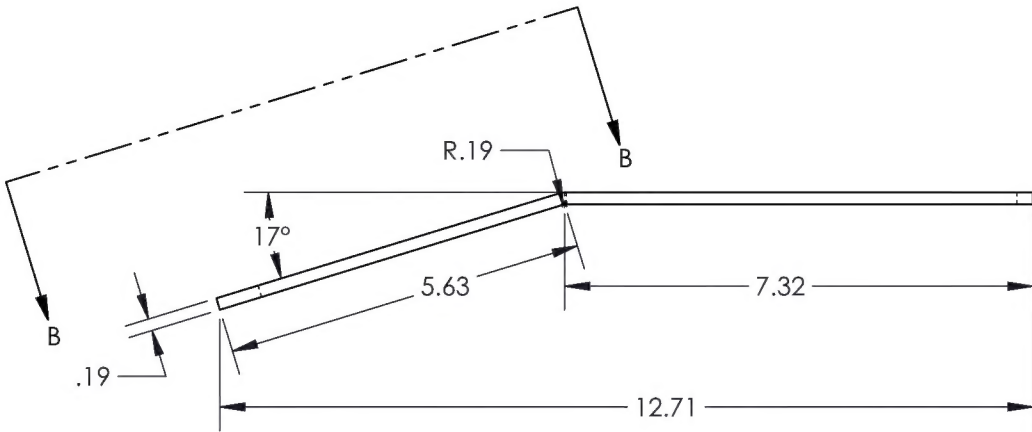
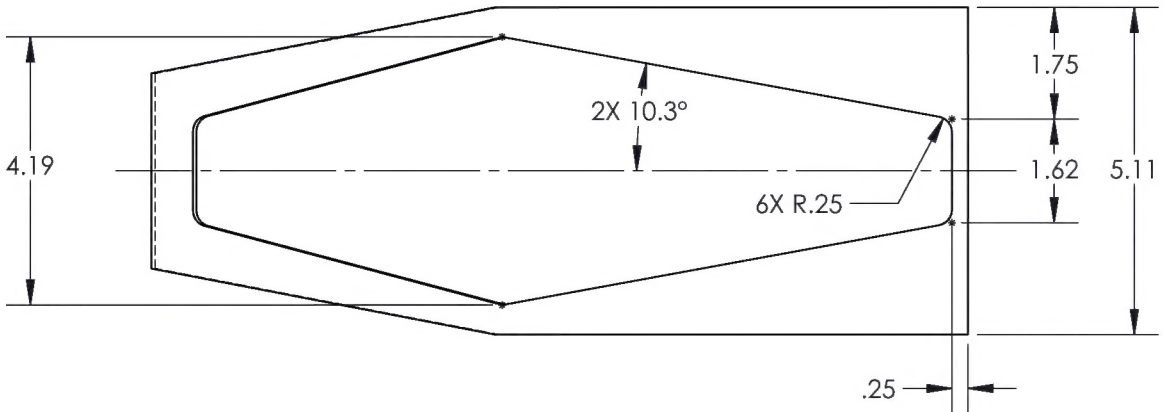
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| REVISIONS |         |   |           |         |          |
|-----------|---------|---|-----------|---------|----------|
| REV       | ECR     | DESCRIPTION   | DATE      | INITIAL | APPROVED |
| 2         |         | INCREASED HEIGHT BY .50 BELOW BEND.   | 2/23/2012 | JAG     | RW       |
| 4         | 17-0033 | -03 CH'D DIM WAS 12.10 IS 12.05, WAS 3.22 IS (3.05), WAS 7.27 IS 7.33, WAS 13.03 IS 12.98, WAS 14.1 IS 14.3°, WAS 10.2° IS 10.4°, WAS (2X 10.3°) IS 2X 10.3°, WAS 7.26 IS 7.32, WAS 5.74 IS 5.63, WAS 12.75 IS 12.71, WAS 3.22 IS 3.05; ADDED DIM .25, 1.62, 1.75, 2X 10.4°, .68; REMOVED DIM (2X .6°), 2.56, 2X .81. | 2/8/2017  | SM      | JAG      |



(-03)

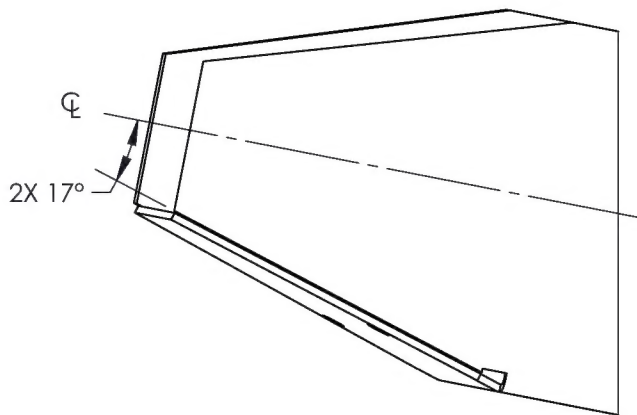
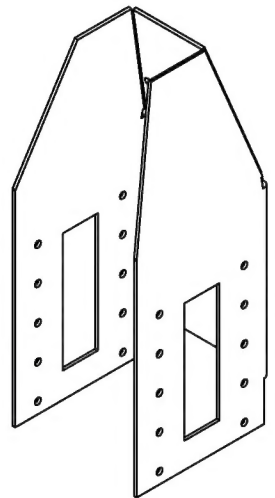
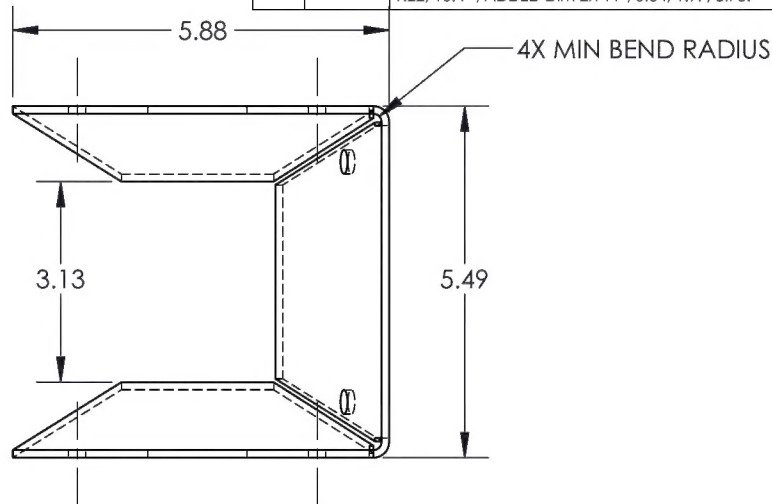
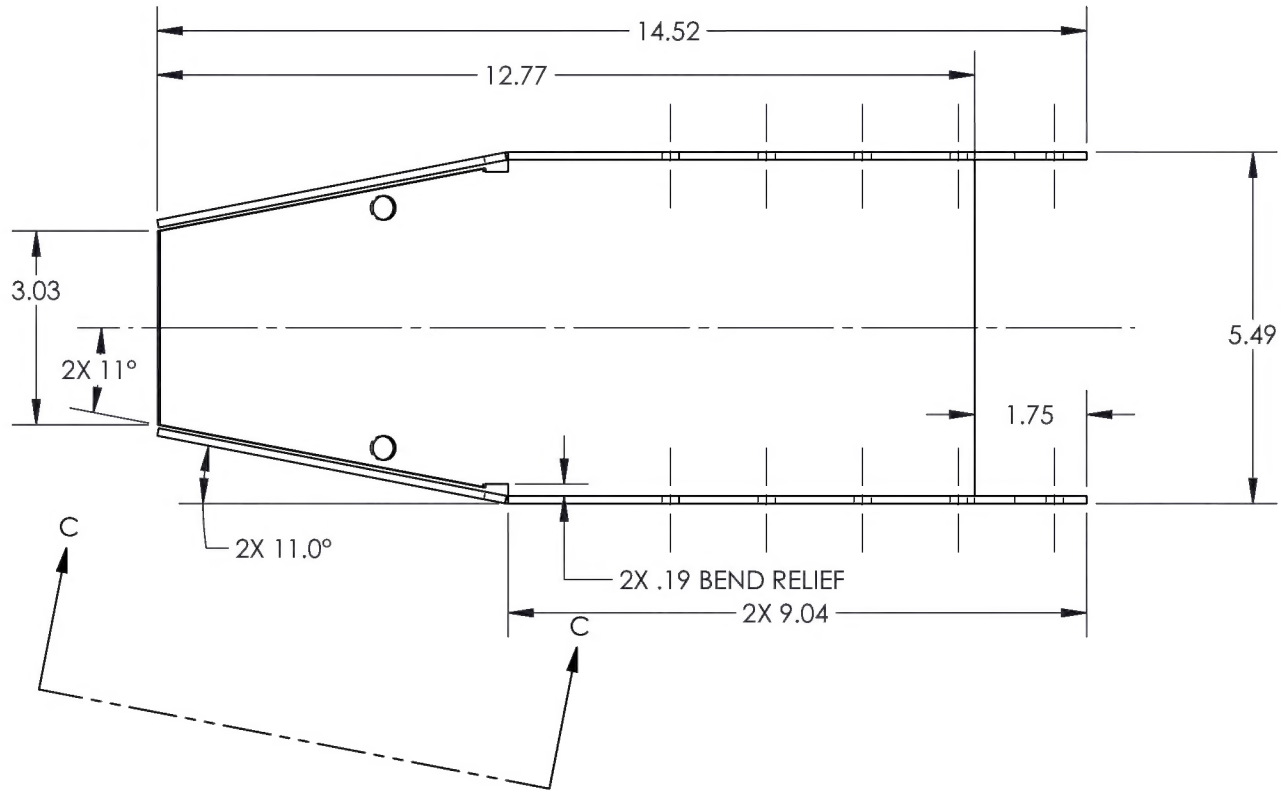
FRONT



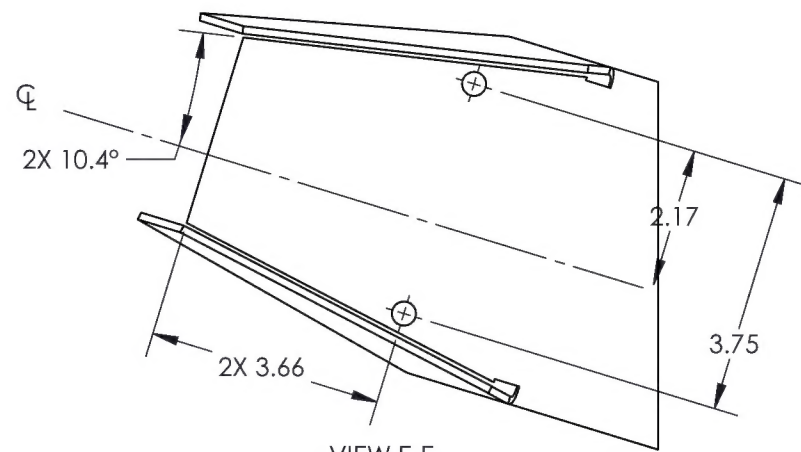
| DART<br>AEROSPACE               |  |  |               |
|---------------------------------|--|--|---------------|
| TITLE<br>GROUND HANDLING WHEELS |  |  |               |
| DWG NO.<br>RB072610-H-00-03     |  |  | REV<br>4      |
| MAT'L A36/1018/1020 HR          |  | UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES |               |
| HEAT TREAT                      |  | .XXX ± .010 FRACTIONS ± 1/8                            |               |
| FINISH SEE -.01                 |  | .XX ± .03 ANGLES ± 1°                                  |               |
| SPEC                            |  | .X ± .1 SURFACES = 125✓                                |               |
| DRAWN BY: GILBERT               |  | 1. BREAK ALL SHARP EDGES<br>.015 x 45° OR .015R        |               |
| CHECKED: DUERFELDT              |  | 2. DIMENSIONAL LIMITS APPLY<br>AFTER PLATING           |               |
| OPPS APPR: ANDERSON             |  | 3. INTERPRET DIM AND TOL PER<br>ASME Y14.5M-2009       |               |
| QA APPR: LINDSAY                |  | USED ON MODEL  |               |
| APPROVED: GILBERT               |  |  |               |
| SCALE 1:3                       |  | DATE 2/23/2012   | SHEET 3 OF 18 |

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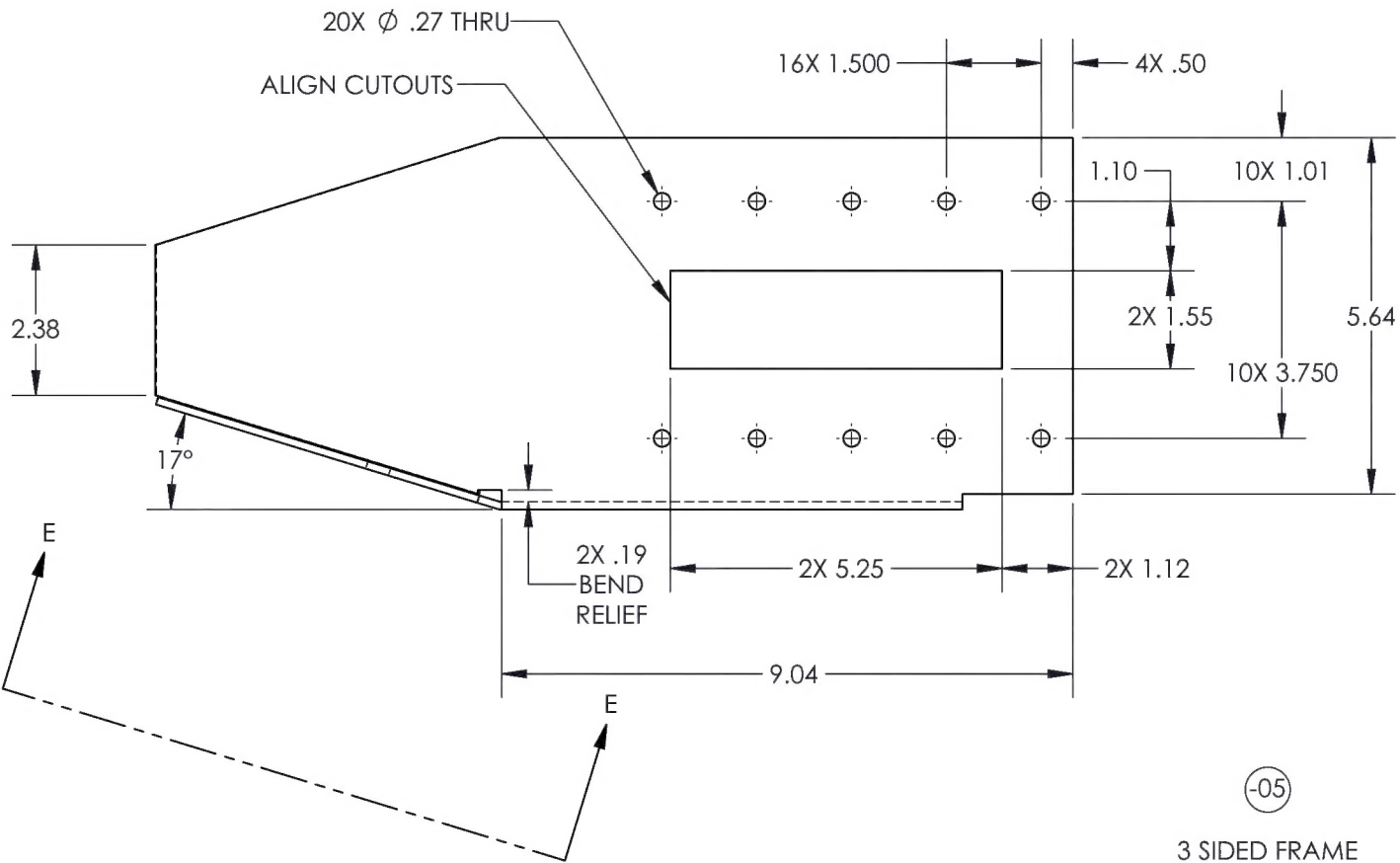
| REVISIONS |         |  |           |         |          |
|-----------|---------|--|-----------|---------|----------|
| REV       | ECR     | DESCRIPTION  | DATE      | INITIAL | APPROVED |
| 2         |         | INCREASED HEIGHT BY .50 BELOW THE BEND.  | 2/23/2012 | RJC     | RW       |
| 3         | 16-0087 | -05 ADDED DIM 2X .25 TWO PLACES.   | 8/1/2016  | RJC     | JAG      |
| 4         | 17-0033 | -05 CH'D DIM WAS 2X .25 IS 2X .19, WAS 3.24 IS 3.13, WAS 5.30 IS 5.49, WAS 3.20 IS 3.03, WAS 2.43 IS 2.38, WAS 10.4° IS 11°, WAS 4X .50 IS 4X .500, WAS 1.01 IS 10X 1.01; REMOVED DIM 1.2°, 3.00, 2.75, 1.22, 10.4°; ADDED DIM 2X 11°, 5.64, 1.97, 3.75. | 2/8/2017  | SM      | JAG      |



VIEW C-C  
HIDDEN LINES REMOVED FOR CLARITY



VIEW E-E  
HIDDEN LINES REMOVED FOR CLARITY

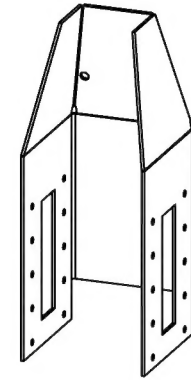
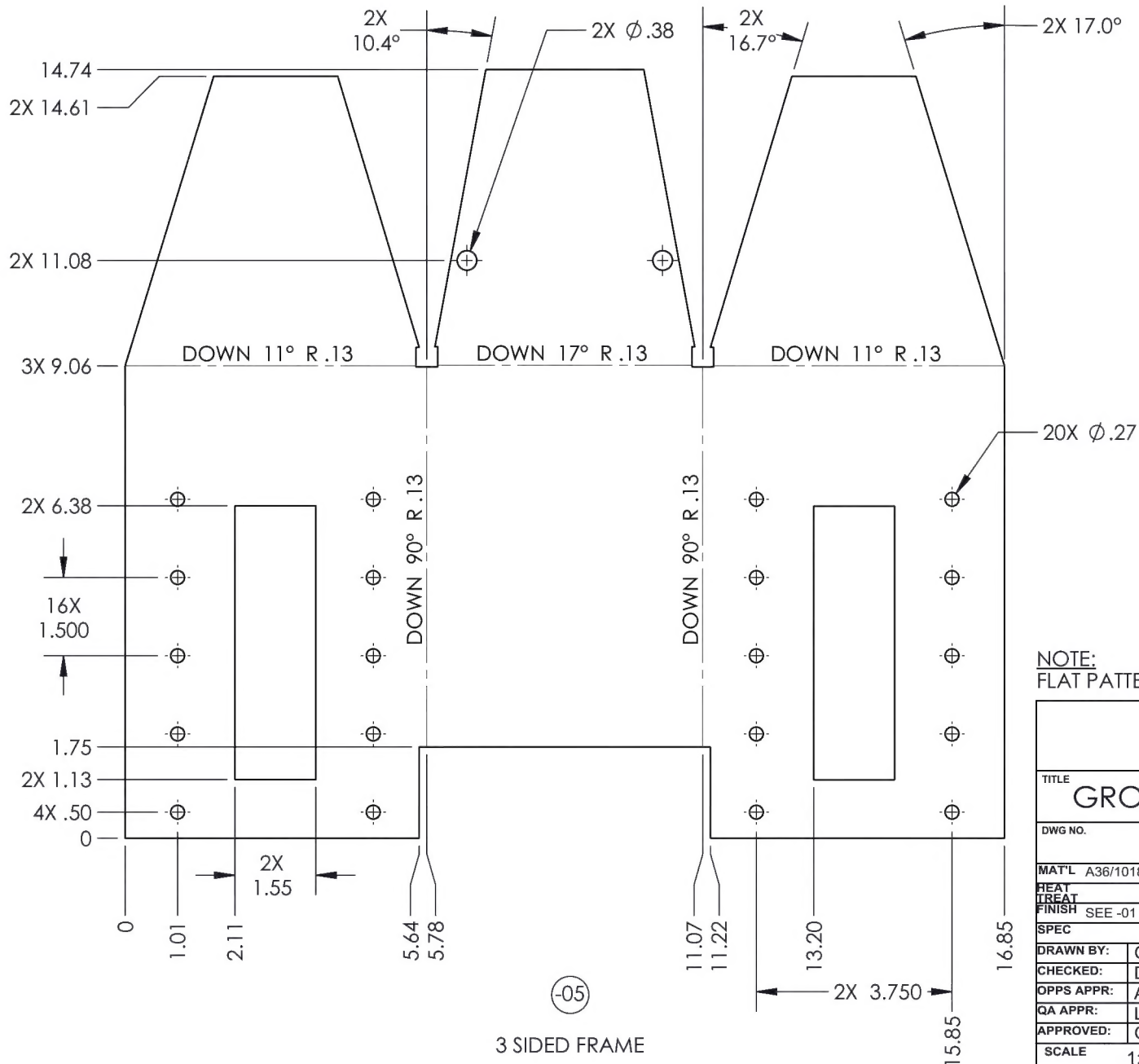


(-05)  
3 SIDED FRAME

| DART<br>AEROSPACE               |     |  |          |
|---------------------------------|-----|--|----------|
| TITLE<br>GROUND HANDLING WHEELS |     |  |          |
| DWG NO.<br>RB072610-H-00-05     |     |  | REV<br>4 |
| MAT'L A36/1018/1020 HR          |     | UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES |          |
| HEAT TREAT                      |     | .XXX ± .010 FRACTIONS ± 1/8                            |          |
| FINISH SEE -01                  |     | .XX ± .03 ANGLES ± 1°                                  |          |
| SPEC                            |     | .X ± .1 SURFACES = 125/                                |          |
| DRAWN BY: GILBERT               |     | 1. BREAK ALL SHARP EDGES<br>.015 x 45° OR .015R        |          |
| CHECKED: DUERFELDT              |     | 2. DIMENSIONAL LIMITS APPLY<br>AFTER PLATING           |          |
| OPPS APPR: ANDERSON             |     | 3. INTERPRET DIM AND TOL PER<br>ASME Y14.5M-2009       |          |
| QA APPR: LINDSAY                |     | USED ON MODEL  |          |
| APPROVED: GILBERT               |     |  |          |
| SCALE                           | 1:3 | DATE   | 3/7/2011 |
| SHEET 4 OF 18                   |     |  |          |

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| REVISIONS |         |                               |          |         |          |
|-----------|---------|-------------------------------|----------|---------|----------|
| REV       | ECR     | DESCRIPTION                   | DATE     | INITIAL | APPROVED |
| 4         | 17-0033 | -05 ADDED FLAT PATTERN SHEET. | 2/8/2017 | SM      | JAG      |

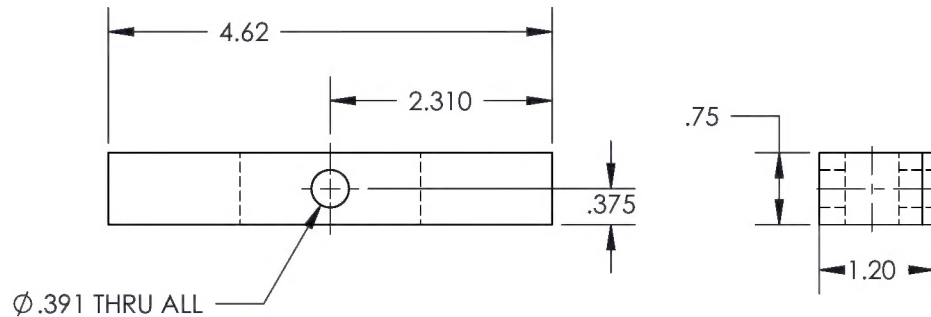
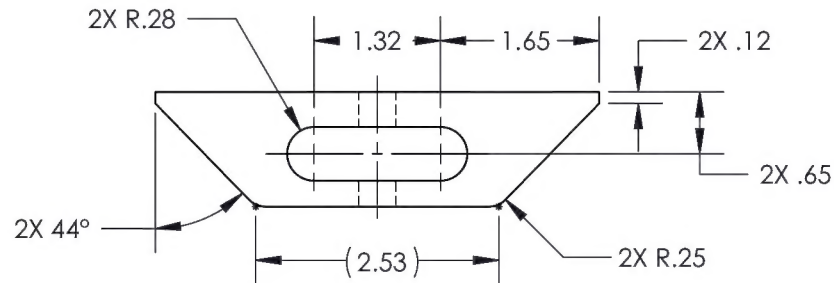
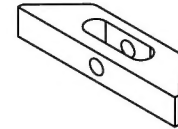


NOTE:  
FLAT PATTERN FOR REFERENCE ONLY

|  |                              |
|--|------------------------------|
| <b>DART</b><br>AEROSPACE               |                              |
| TITLE<br><b>GROUND HANDLING WHEELS</b> |                              |
| DWG NO.<br><b>RB072610-H-00-05</b>     | REV<br><b>4</b>              |
| MAT'L A36/1018/1020 HR                 | UNLESS OTHERWISE SPECIFIED   |
| HEAT TREAT                             | DIMENSIONS ARE IN INCHES     |
| FINISH SEE -01                         | .XXX ± .010 FRACTIONS ± 1/8  |
| SPEC                                   | .XX ± .03 ANGLES ± 1°        |
|  | .X ± .1 SURFACES = 125° ✓    |
| DRAWN BY: GILBERT                      | 1. BREAK ALL SHARP EDGES     |
| CHECKED: DUERFELDT                     | .015 x 45° OR .015R          |
| OPPS APPR: ANDERSON                    | 2. DIMENSIONAL LIMITS APPLY  |
| QA APPR: LINDSAY                       | AFTER PLATING                |
| APPROVED: GILBERT                      | 3. INTERPRET DIM AND TOL PER |
|  | ASME Y14.5M-2009             |
| SCALE 1:3                              | DATE 3/7/2011                |
|  | SHEET 5 OF 18                |

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| REVISIONS |         |  |           |         |          |
|-----------|---------|--|-----------|---------|----------|
| REV       | ECR     | DESCRIPTION  | DATE      | INITIAL | APPROVED |
| 1         |         | SHORTENED FROM 5.09 TO 4.62.   | 3/9/2011  | JAG     |          |
| 2         |         | ADDED 1/4 RADIUS.  | 2/23/2012 | JAG     | RW       |
| 3         | 16-0087 | -09 CH'D DIMS WAS R.280 IS 2X R.28, WAS 1.316 IS 1.32, WAS .658 IS .66, WAS .120 2X IS 2X .12, WAS .645 IS .65, WAS Ø.391 IS Ø.391 THRU ALL. | 8/1/2016  | RJC     | JAG      |
| 4         | 17-0033 | -09 CH'D DIM WAS .65 IS 2X .65, ADDED DIM 1.65; REMOVED DIM (1.27). .66.   | 2/8/2017  | SM      | JAG      |



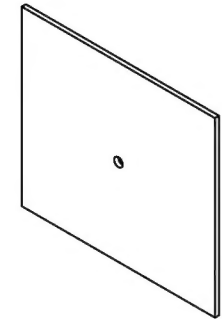
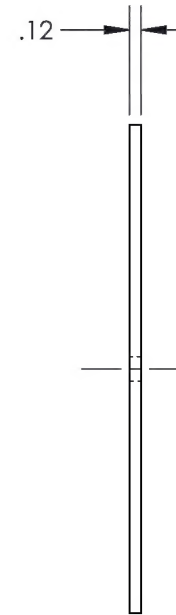
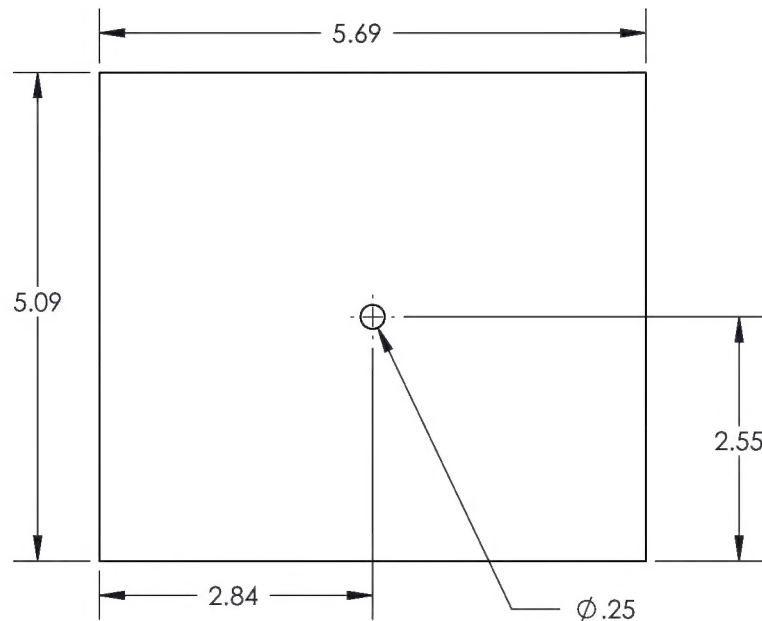
(-09)

LATCH BAR

|  |                              |
|--|------------------------------|
| <b>DART<br/>AEROSPACE</b>              |                              |
| TITLE<br><b>GROUND HANDLING WHEELS</b> |                              |
| DWG NO.<br><b>RB072610-H-00-09</b>     | REV<br><b>4</b>              |
| MAT'L A36/1018/1020 HR                 | UNLESS OTHERWISE SPECIFIED   |
| HEAT TREAT                             | DIMENSIONS ARE IN INCHES     |
| FINISH SEE -01                         | .XXX ± .005 FRACTIONS ± 1/8  |
| SPEC                                   | .XX ± .01 ANGLES ± .5°       |
|  | .X ± .1 SURFACES = 125✓      |
| DRAWN BY: PERRITT                      | 1. BREAK ALL SHARP EDGES     |
| CHECKED: DUERFELDT                     | .015 x 45° OR .015R          |
| OPPS APPR: ANDERSON                    | 2. DIMENSIONAL LIMITS APPLY  |
| QA APPR: LINDSAY                       | AFTER PLATING                |
| APPROVED: GILBERT                      | 3. INTERPRET DIM AND TOL PER |
|  | ASME Y14.5M-2009             |
|  | USED ON MODEL                |
| SCALE 1:2                              | DATE 3/7/2011                |
|  | SHEET 6 OF 18                |

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| REVISIONS |         |   |          |         |          |
|-----------|---------|---|----------|---------|----------|
| REV       | ECR     | DESCRIPTION   | DATE     | INITIAL | APPROVED |
| 3         | 16-0087 | -11 CH'D DIMS WAS 2.844 IS 2.84, WAS 2.52 IS 2.54, WAS Ø.252 IS Ø.25. | 8/1/2016 | RJC     | JAG      |



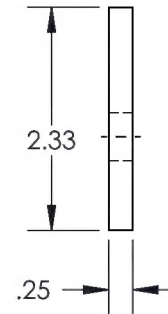
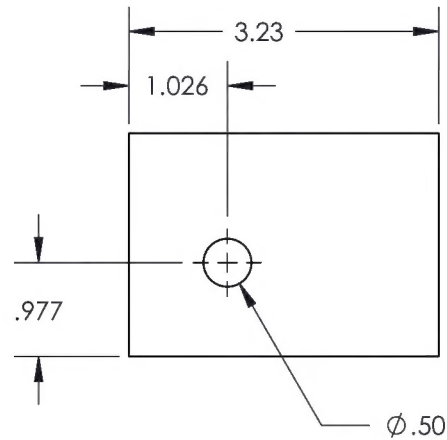
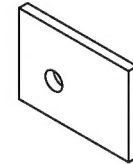
(-11)  
BOTTOM

|  |   |
|--|---|
| <b>DART</b><br>AEROSPACE               |   |
| TITLE<br><b>GROUND HANDLING WHEELS</b> |   |
| DWG NO.<br><b>RB072610-H-00-11</b>     | REV<br><b>4</b>                               |
| MAT'L A36/1018/1020 HR                 | UNLESS OTHERWISE SPECIFIED                    |
| HEAT TREAT                             | DIMENSIONS ARE IN INCHES                      |
| FINISH SEE -01                         | .XXX ± .010 FRACTIONS ± 1/8                   |
| SPEC                                   | .XX ± .03 ANGLES ± 1°                         |
|  | .X ± .1 SURFACES = 125° ✓                     |
| DRAWN BY: PERRITT                      | 1. BREAK ALL SHARP EDGES                      |
| CHECKED: DUERFELDT                     | .015 x 45° OR .015R                           |
| OPPS APPR: ANDERSON                    | 2. DIMENSIONAL LIMITS APPLY                   |
| QA APPR: LINDSAY                       | AFTER PLATING                                 |
| APPROVED: GILBERT                      | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| SCALE 1:2                              | DATE 3/7/2011                                 |
| SHEET 7 OF 18                          |   |



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| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| REV       | ECR | DESCRIPTION | DATE | INITIAL  |
|           |     |             |      | APPROVED |



(13)

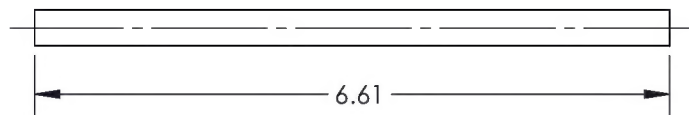
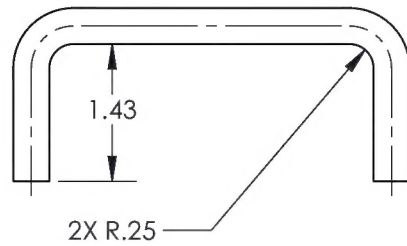
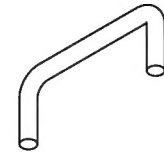
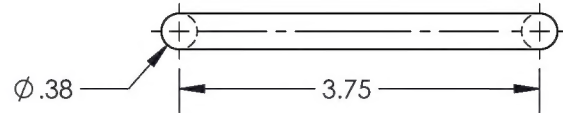
TOP

|  |                              |
|--|------------------------------|
| <b>DART</b><br>AEROSPACE               |                              |
| TITLE<br><b>GROUND HANDLING WHEELS</b> |                              |
| DWG NO.<br><b>RB072610-H-00-13</b>     | REV<br><b>4</b>              |
| MAT'L A36/1018/1020 HR                 | UNLESS OTHERWISE SPECIFIED   |
| HEAT TREAT                             | DIMENSIONS ARE IN INCHES     |
| FINISH SEE -01                         | .XXX ± .010 FRACTIONS ± 1/8  |
| SPEC                                   | .XX ± .03 ANGLES ± 1°        |
|  | .X ± .1 SURFACES = 125/✓     |
| DRAWN BY: PERRITT                      | 1. BREAK ALL SHARP EDGES     |
| CHECKED: DUERFELDT                     | .015 x 45° OR .015R          |
| OPPS APPR: ANDERSON                    | 2. DIMENSIONAL LIMITS APPLY  |
| QA APPR: LINDSAY                       | AFTER PLATING                |
| APPROVED: GILBERT                      | 3. INTERPRET DIM AND TOL PER |
|  | ASME Y14.5M-2009             |
| SCALE 1:2                              | DATE 3/7/2011                |
|  | SHEET 8 OF 18                |



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| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| REV       | ECR | DESCRIPTION | DATE | INITIAL  |
|           |     |             |      | APPROVED |



FLAT PATTERN FOR REFERENCE ONLY

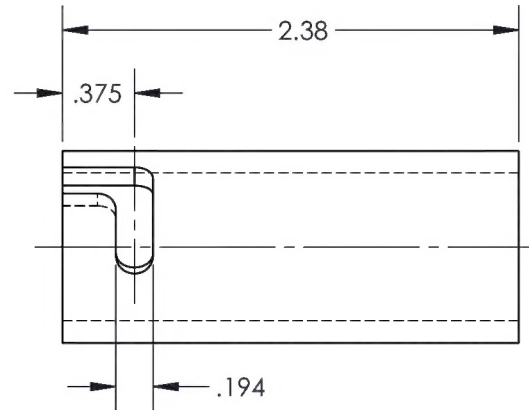
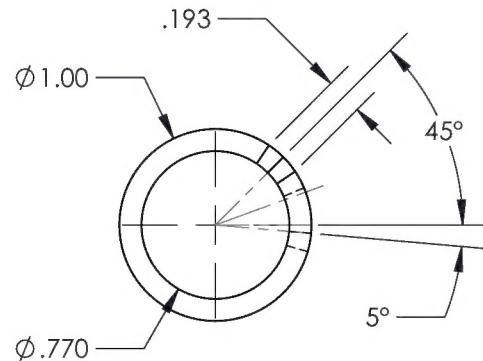
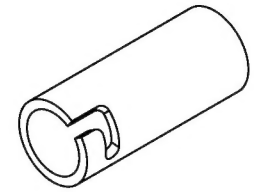
-15

HANDLE

|  |                 |
|--|-----------------|
| <b>DART</b><br>AEROSPACE   |                 |
| TITLE<br><b>GROUND HANDLING WHEELS</b>   |                 |
| DWG NO.<br><b>RB072610-H-00-15</b>   | REV<br><b>4</b> |
| MAT'L 1018/1020 CR<br>HEAT TREAT<br>FINISH SEE -01<br>SPEC   |                 |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>.XXX $\pm$ .005 FRACTIONS $\pm$ 1/8<br>.XX $\pm$ .01 ANGLES $\pm$ .5°<br>.X $\pm$ .1 SURFACES = 125° ✓ |                 |
| 1. BREAK ALL SHARP EDGES<br>.015 x 45° OR .015R<br>2. DIMENSIONAL LIMITS APPLY<br>AFTER PLATING<br>3. INTERPRET DIM AND TOL PER<br>ASME Y14.5M-2009              |                 |
| DRAWN BY:  | PERRITT         |
| CHECKED:   | DUERFELDT       |
| OPPS APPR:   | ANDERSON        |
| QA APPR:   | LINDSAY         |
| APPROVED:  | GILBERT         |
| SCALE  | 1:2             |
| DATE   | 3/7/2011        |
| SHEET 9 OF 18  |                 |

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| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| REV       | ECR | DESCRIPTION | DATE | INITIAL  |
|           |     |             |      | APPROVED |

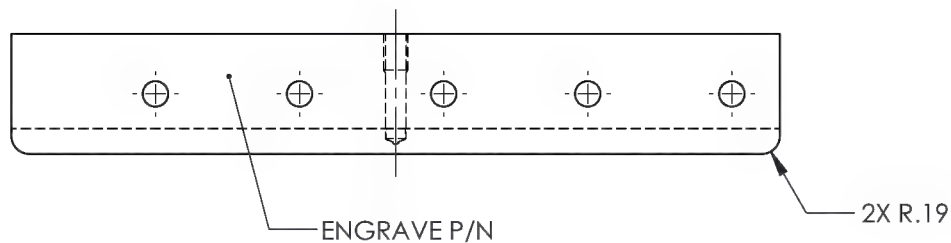
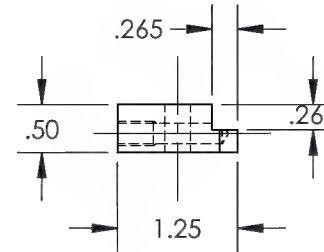
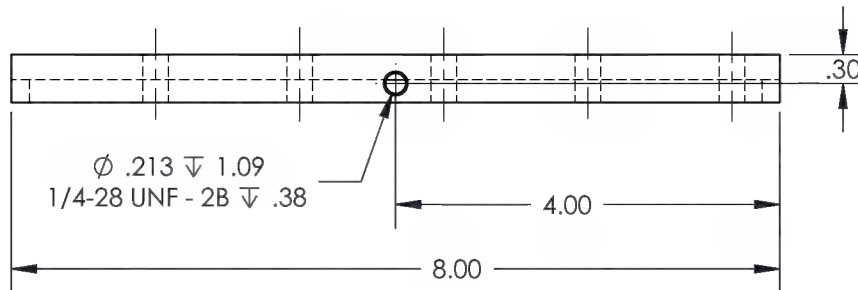
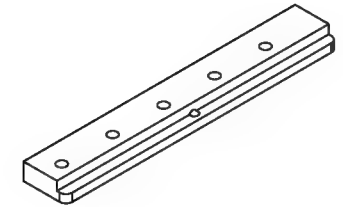
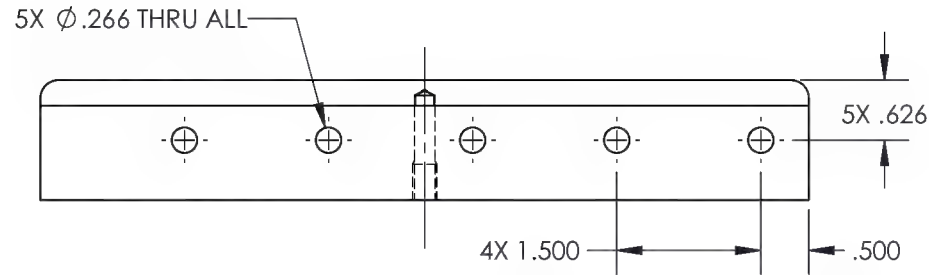


(-17)  
LOCK TUBE

|  |                              |
|--|------------------------------|
| <b>DART<br/>AEROSPACE</b>              |                              |
| TITLE<br><b>GROUND HANDLING WHEELS</b> |                              |
| DWG NO.<br><b>RB072610-H-00-17</b>     | REV<br><b>4</b>              |
| MAT'L DOM                              | UNLESS OTHERWISE SPECIFIED   |
| HEAT TREAT                             | DIMENSIONS ARE IN INCHES     |
| FINISH SEE -01                         | .XXX ± .005 FRACTIONS ± 1/8  |
| SPEC                                   | .XX ± .01 ANGLES ± .5°       |
|  | .X ± .1 SURFACES = 125/      |
| DRAWN BY: PERRITT                      | 1. BREAK ALL SHARP EDGES     |
| CHECKED: DUERFELDT                     | .015 x 45° OR .015R          |
| OPPS APPR: ANDERSON                    | 2. DIMENSIONAL LIMITS APPLY  |
| QA APPR: LINDSAY                       | AFTER PLATING                |
| APPROVED: GILBERT                      | 3. INTERPRET DIM AND TOL PER |
|  | ASME Y14.5M-2009             |
| SCALE 1:1                              | DATE 3/7/2011                |
|  | SHEET 10 OF 18               |

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| REVISIONS |         |   |           |         |          |
|-----------|---------|---|-----------|---------|----------|
| REV       | ECR     | DESCRIPTION   | DATE      | INITIAL | APPROVED |
| 2         |         | CH'D TO BLACK ANODIZE FROM GOLD.  | 2/23/2012 | JAG     | RW       |
| 3         | 16-0087 | -19 DELETED DIMS 3.000, 4.500, AND 6.000, CH'D DIM WAS 1.500 IS 4X 1.500, CH'D ENGRAVE NOTE WAS ENGRAVE PART No. 3/16 LETTERS IS ENGRAVE P/N. | 8/1/2016  | RJC     | JAG      |



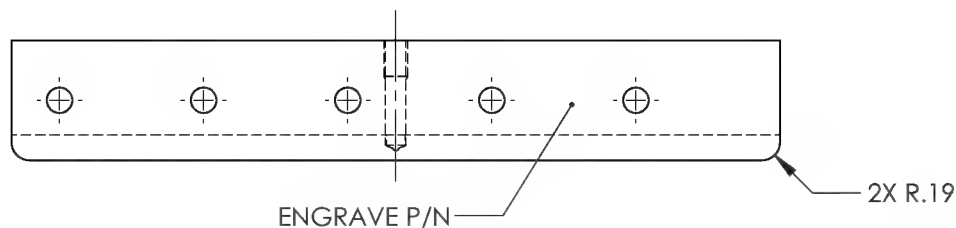
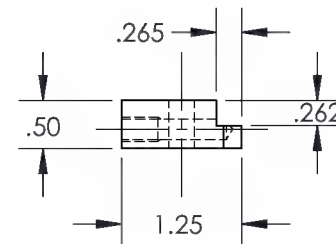
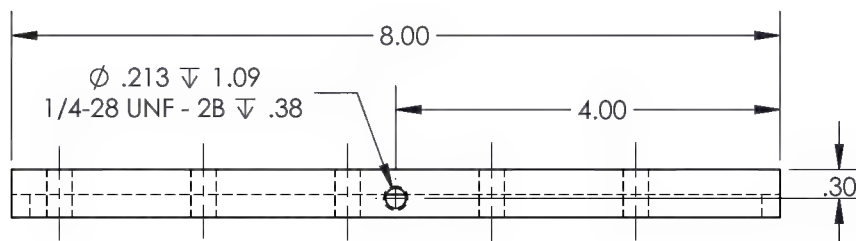
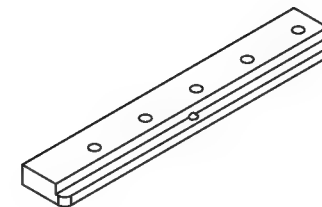
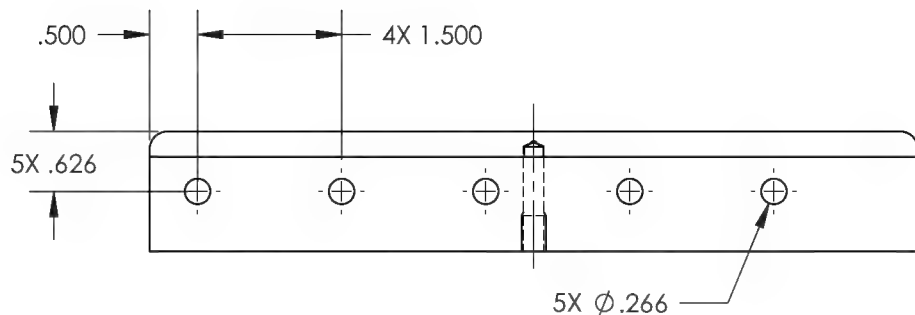
-19

LEFT SLIDE CLAMP

|  |   |
|--|---|
| <b>DART</b><br>AEROSPACE               |   |
| TITLE<br><b>GROUND HANDLING WHEELS</b> |   |
| DWG NO.<br><b>RB072610-H-00-19</b>     | REV<br><b>4</b>                               |
| MAT'L 6061                             | UNLESS OTHERWISE SPECIFIED                    |
| HEAT TREAT                             | DIMENSIONS ARE IN INCHES                      |
| FINISH BLACK ANODIZE                   | .XXX $\pm .005$ FRACTIONS $\pm 1/8$           |
| SPEC MIL-A-8625F, TYPE II, CLASS III   | .XX $\pm .01$ ANGLES $\pm 5^\circ$            |
| DRAWN BY: PERRITT                      | .X $\pm .1$ SURFACES = 125                    |
| CHECKED: DUERFELDT                     | 1. BREAK ALL SHARP EDGES                      |
| OPPS APPR: ANDERSON                    | .015 x 45° OR .015R                           |
| QA APPR: LINDSAY                       | 2. DIMENSIONAL LIMITS APPLY                   |
| APPROVED: GILBERT                      | AFTER PLATING                                 |
| SCALE 1:2                              | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| DATE 3/7/2011                          | USED ON MODEL                                 |
| SHEET 11 OF 18                         |   |

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| REVISIONS |         |   |           |         |          |
|-----------|---------|---|-----------|---------|----------|
| REV       | ECR     | DESCRIPTION   | DATE      | INITIAL | APPROVED |
| 2         |         | CH'D TO BLACK ANODIZE FROM GOLD.  | 2/23/2012 | JAG     | RW       |
| 3         | 16-0087 | -21 DELETED DIMS 3.000, 4.500, AND 6.000, CH'D DIM WAS 1.500 IS 4X 1.500, CH'D ENGRAVE NOTE WAS ENGRAVE PART No. 3/16 LETTERS IS ENGRAVE P/N. | 8/1/2016  | RJC     | JAG      |



(-21)

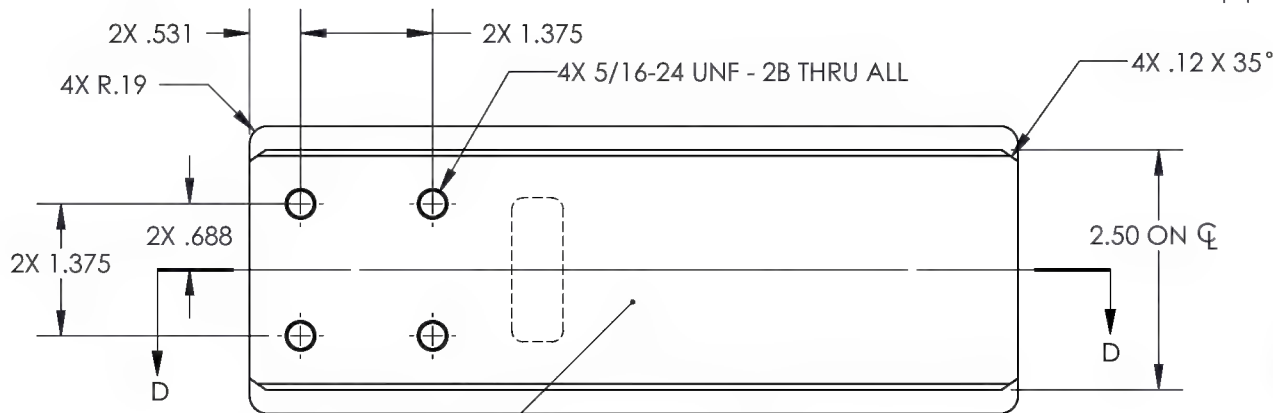
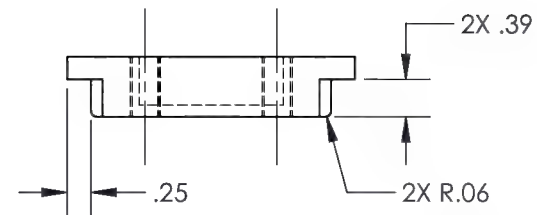
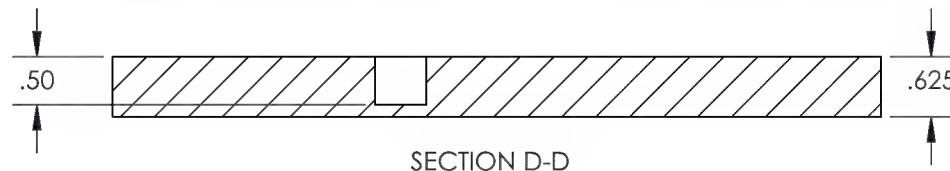
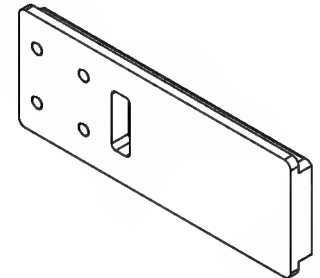
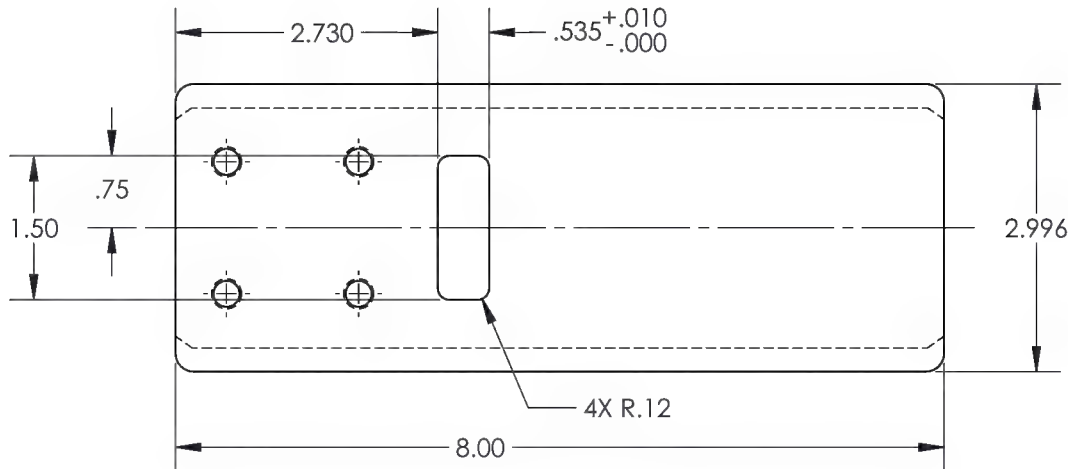
RIGHT SIDE CLAMP

|  |  |
|--|--|
| <b>DART</b><br>AEROSPACE               |  |
| TITLE<br><b>GROUND HANDLING WHEELS</b> |  |
| DWG NO.<br><b>RB072610-H-00-21</b>     | REV<br><b>4</b>  |
| MAT'L 6061                             | UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES |
| HEAT TREAT                             | .XXX ± .005 FRACTIONS ± 1/8                            |
| FINISH BLACK ANODIZE                   | .XX ± .01 ANGLES ± 5°                                  |
| SPEC MIL-A-8625F, TYPE II, CLASS III   | .X ± .1 SURFACES = 125                                 |
| DRAWN BY: PERRITT                      | 1. BREAK ALL SHARP EDGES<br>.015 x 45° OR .015R        |
| CHECKED: DUERFELDT                     | 2. DIMENSIONAL LIMITS APPLY<br>AFTER PLATING           |
| OPPS APPR: ANDERSON                    | 3. INTERPRET DIM AND TOL PER<br>ASME Y14.5M-2009       |
| QA APPR: LINDSAY                       | USED ON MODEL  |
| APPROVED: GILBERT                      |  |
| SCALE 1:2                              | DATE 3/7/2011  |
| SHEET 12 OF 18                         |  |



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| REVISIONS |         |  |           |         |          |
|-----------|---------|--|-----------|---------|----------|
| REV       | ECR     | DESCRIPTION                                      | DATE      | INITIAL | APPROVED |
| 1         |         | 5/16-18 CHANGED TO 5/16-24, ADDED R.06 TO EDGES. | 3/9/2011  | JAG     |          |
| 2         |         | CH'D TO BLACK ANODIZE FROM GOLD.                 | 2/23/2012 | JAG     | RW       |
| 3         | 16-0087 | -23 CH'D DIM WAS .525 IS .535 +.010-.000.        | 8/1/2016  | RJC     | JAG      |



ENGRAVE P/N

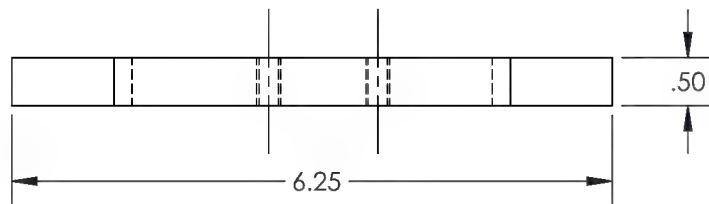
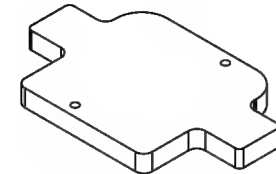
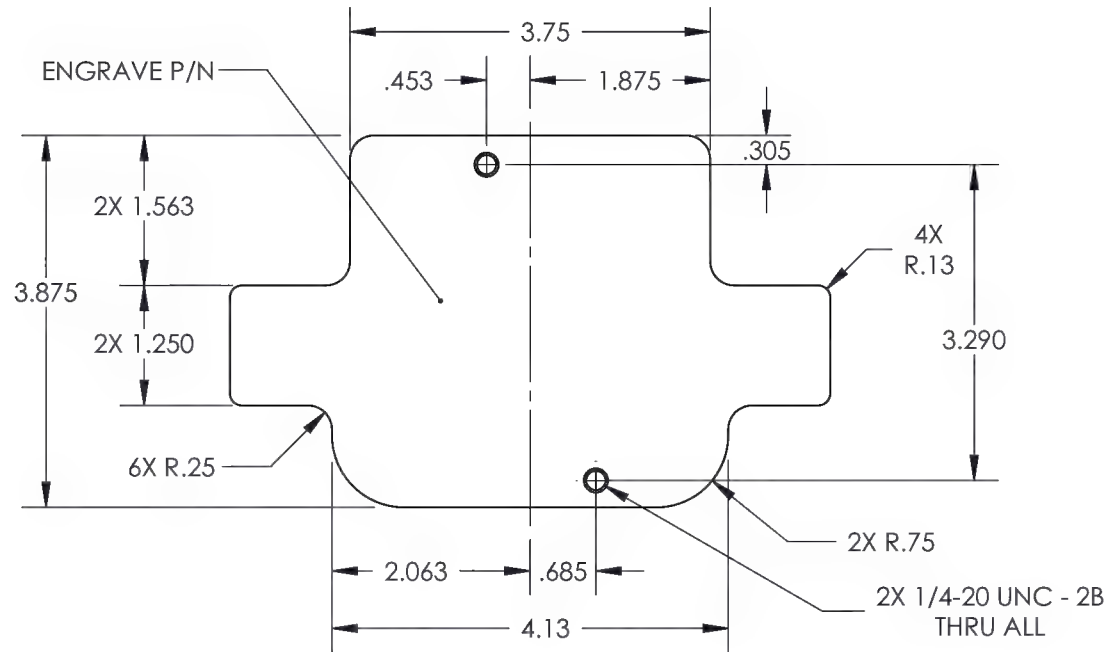
(-23)

SLIDE

|  |   |
|--|---|
| <b>DART<br/>AEROSPACE</b>              |   |
| TITLE<br><b>GROUND HANDLING WHEELS</b> |   |
| DWG NO.<br><b>RB072610-H-00-23</b>     | REV<br><b>4</b>                               |
| MAT'L 6061                             | UNLESS OTHERWISE SPECIFIED                    |
| HEAT TREAT                             | DIMENSIONS ARE IN INCHES                      |
| FINISH BLACK ANODIZE                   | .XXX ± .005 FRACTIONS ± 1/8                   |
| SPEC MIL-A-8625F, TYPE II, CLASS II    | .XX ± .01 ANGLES ± 5°                         |
| DRAWN BY: PERRITT                      | .X ± .1 SURFACES = 125✓                       |
| CHECKED: DUERFELDT                     | 1. BREAK ALL SHARP EDGES                      |
| OPPS APPR: ANDERSON                    | 2. DIMENSIONAL LIMITS APPLY AFTER PLATING     |
| QA APPR: LINDSAY                       | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| APPROVED: GILBERT                      | USED ON MODEL                                 |
| SCALE 1:2                              | DATE 3/7/2011                                 |
| SHEET 13 OF 18                         |   |

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| REVISIONS |         |   |          |         |          |
|-----------|---------|---|----------|---------|----------|
| REV       | ECR     | DESCRIPTION   | DATE     | INITIAL | APPROVED |
| 3         | 16-0087 | -25 CH'D FINISH WAS POWDER COAT FORREST T-5920 S9YELLOW RIBBON IS POWDER COAT YELLOW<br>FED #13538. | 8/1/2016 | RJC     | JAG      |
| 4         | 17-0033 | -25 REMOVED DIM 3.125; CH'D DIM WAS 4X R.25 IS 6X R.25.   | 2/8/2017 | SM      | JAG      |



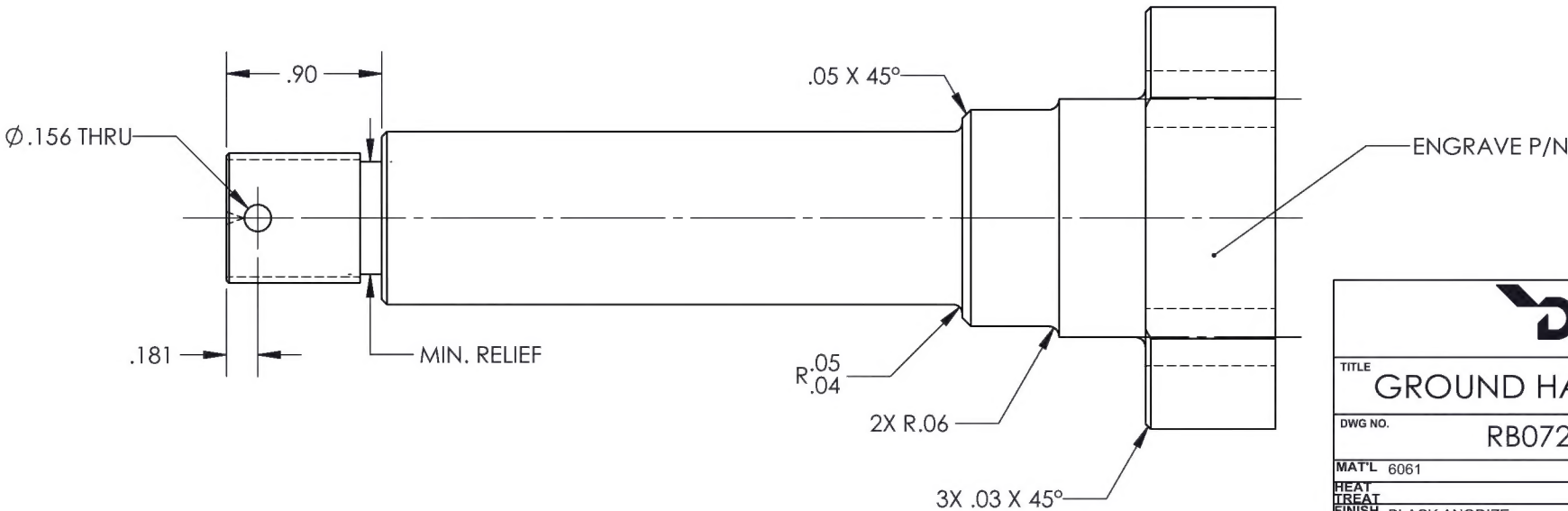
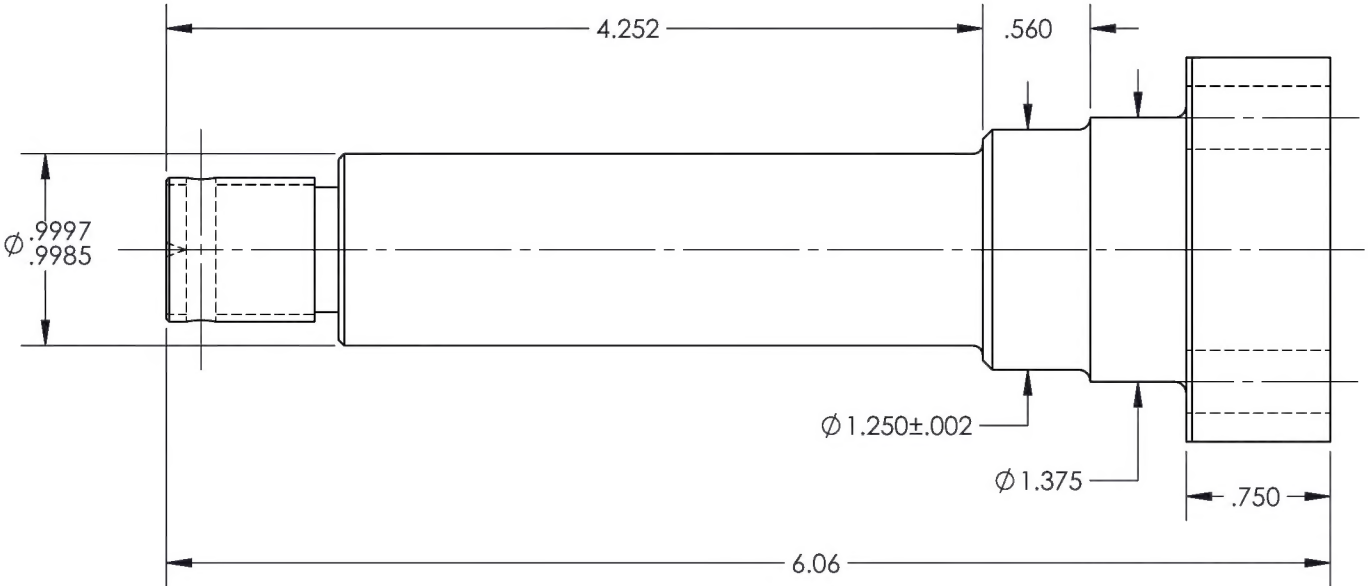
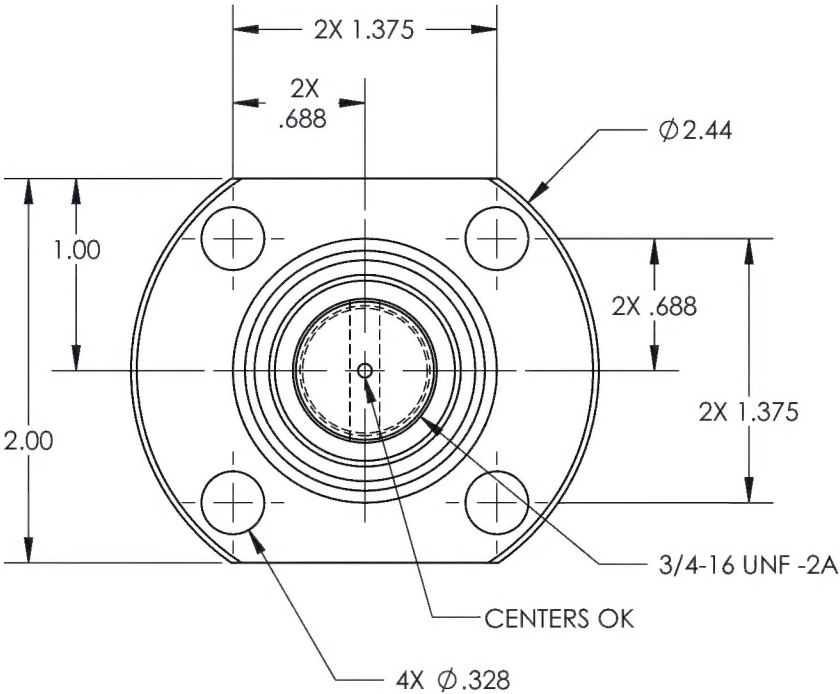
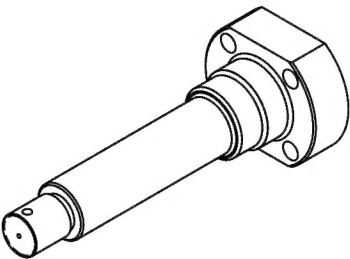
(-25)

JACK PLATE

|   |                  |
|---|------------------|
| <b>DART</b><br>AEROSPACE  |                  |
| TITLE<br><b>GROUND HANDLING WHEELS</b>  |                  |
| DWG NO.<br><b>RB072610-H-00-25</b>  | REV<br><b>4</b>  |
| MAT'L 4140/4142<br>HEAT TREAT<br>FINISH POWDER COAT YELLOW<br>SPEC FED #13538   |                  |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>.XXX ± .005 FRACTIONS ± 1/8<br>.XX ± .01 ANGLES ± .5°<br>.X ± .1 SURFACES = 125°          |                  |
| 1. BREAK ALL SHARP EDGES<br>.015 x 45° OR .015R<br>2. DIMENSIONAL LIMITS APPLY<br>AFTER PLATING<br>3. INTERPRET DIM AND TOL PER<br>ASME Y14.5M-2009 |                  |
| DRAWN BY: PERRITT<br>CHECKED: DUERFELDT<br>OPPTS APPR: ANDERSON<br>QA APPR: LINDSAY<br>APPROVED: GILBERT  |                  |
| USED ON MODEL   |                  |
| SCALE<br>1:2  | DATE<br>3/7/2011 |
| SHEET 14 OF 18  |                  |

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| REVISIONS |         |  |           |         |          |
|-----------|---------|--|-----------|---------|----------|
| REV       | ECR     | DESCRIPTION  | DATE      | INITIAL | APPROVED |
| 1         |         | CHANGED LENGTH FROM 5.282 TO 6.06.   | 3/9/2011  | JAG     |          |
| 2         |         | CORRECTED 3/4-16 UNF CALLOUT, CH'D BLACK ANODIZE FROM GOLD.  | 2/23/2012 | JAG     | RW       |
| 3         | 16-0087 | -27 CH'D DIMS WAS .772 IS .77, WAS .125 IS .13, WAS Ø.650 IS Ø.65, CH'D ENGRAVE NOTE WAS ENGRAVE PART No. 3/16 LETTERS IS ENGRAVE P/N. | 8/2/2016  | RJC     | JAG      |
| 4         | 17-0033 | -27 CORRECTED REV 3 NOTES, REPLACE DIMS Ø.65, .13, .77 WITH .90, MIN THREAD RELIEF.  | 2/8/2017  | SM      | JAG      |



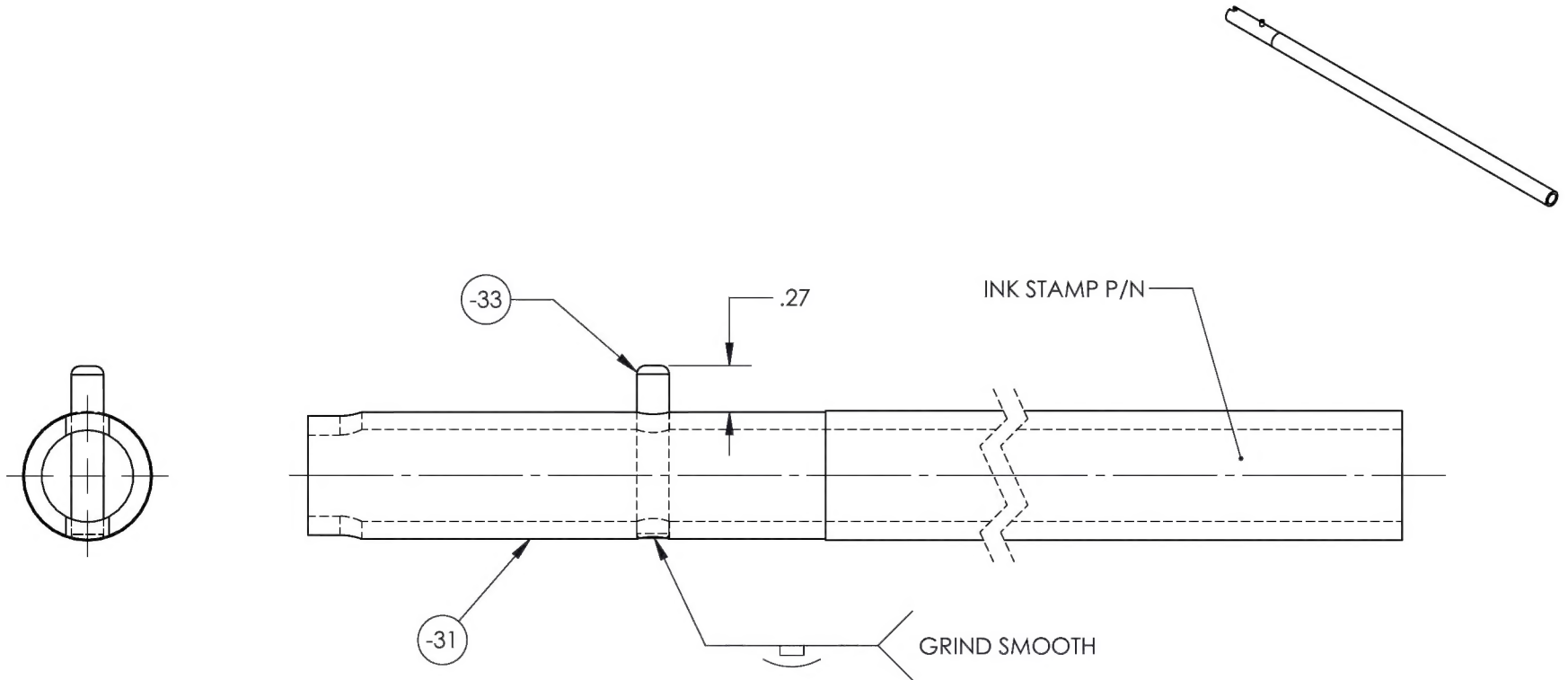
-27

SPINDLE

| DART<br>AEROSPACE                   |  |                |
|-------------------------------------|--|----------------|
| TITLE<br>GROUND HANDLING WHEELS     |  |                |
| DWG NO.<br>RB072610-H-00-27         |  | REV<br>4       |
| MAT'L 6061                          | UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES |                |
| HEAT TREAT                          | .XXX ± .005 FRACTIONS ± 1/8                            |                |
| FINISH BLACK ANODIZE                | .XX ± .01 ANGLES ± 5°                                  |                |
| SPEC MIL-A-8625F, TYPE II, CLASS II | .X ± .1 SURFACES = 125✓                                |                |
| DRAWN BY: PERRITT                   | 1. BREAK ALL SHARP EDGES<br>.015 x 45° OR .015R        |                |
| CHECKED: DUERFELDT                  | 2. DIMENSIONAL LIMITS APPLY<br>AFTER PLATING           |                |
| OPPS APPR: ANDERSON                 | 3. INTERPRET DIM AND TOL PER<br>ASME Y14.5M-2009       |                |
| QA APPR: LINDSAY                    | USED ON MODEL  |                |
| APPROVED: GILBERT                   |  |                |
| SCALE 1:1                           | DATE 3/7/2011  | SHEET 15 OF 18 |

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| REVISIONS |         |   |          |         |          |
|-----------|---------|---|----------|---------|----------|
| REV       | ECR     | DESCRIPTION   | DATE     | INITIAL | APPROVED |
| 3         | 16-0087 | -29 CH'D FINISH WAS POWDER COAT FORREST T-5920 S9YELLOW RIBBON IS POWDER COAT YELLOW<br>FED #13538. | 8/1/2016 | RJC     | JAG      |
| 4         | 17-0033 | -29 ADDED NOTE "INK STAMP P/N".   | 2/8/2017 | SM      | JAG      |



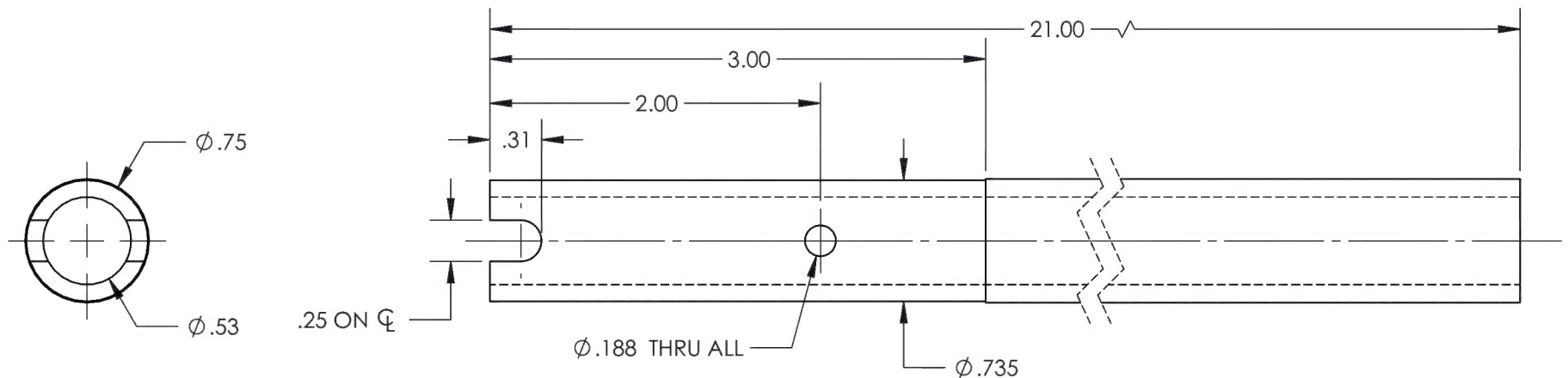
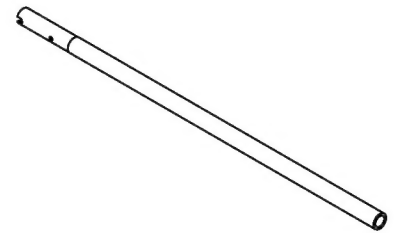
HANDLE BAR WELDMENT

|  |  |
|--|--|
| <b>DART<br/>AEROSPACE</b>              |  |
| TITLE<br><b>GROUND HANDLING WHEELS</b> |  |
| DWG NO.<br><b>RB072610-H-00-29</b>     | REV<br><b>4</b>  |
| MAT'L<br><b>STEEL</b>                  | UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES |
| FINISH<br><b>POWDER COAT YELLOW</b>    | .XXX ± .010 FRACTIONS ± 1/8                            |
| SPEC<br><b>FED #13538</b>              | .XX ± .03 ANGLES ± 1°                                  |
| DRAWN BY:<br><b>PERRITT</b>            | .X ± .1 SURFACES = 125                                 |
| CHECKED:<br><b>DUERFELDT</b>           | 1. BREAK ALL SHARP EDGES<br>.015 x 45° OR .015R        |
| OPPS APPR:<br><b>ANDERSON</b>          | 2. DIMENSIONAL LIMITS APPLY<br>AFTER PLATING           |
| QA APPR:<br><b>LINDSAY</b>             | 3. INTERPRET DIM AND TOL PER<br>ASME Y14.5M-2009       |
| APPROVED:<br><b>GILBERT</b>            | USED ON MODEL  |
| SCALE<br><b>1:4</b>                    | DATE<br><b>3/7/2011</b>                                |
| SHEET 16 OF 18                         |  |



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| REVISIONS |         |   |          |         |          |
|-----------|---------|---|----------|---------|----------|
| REV       | ECR     | DESCRIPTION   | DATE     | INITIAL | APPROVED |
| 1         |         |   | 3/9/2011 | JAG     |          |
| 3         | 16-0087 | -31 CH'D DIM WAS Ø.188 IS Ø.188 THRU ALL, CH'D ENGRAVE NOTE WAS ENGRAVE PART No. "RB072610-H-29, 3/16 LETTERS IS ENGRAVE "RB072610-H-29". | 8/1/2016 | RJC     | JAG      |
| 4         | 17-0033 | -31 REMOVED NOTE "INK STAMP "RB072610-H-29".  | 2/8/2017 | SM      | JAG      |



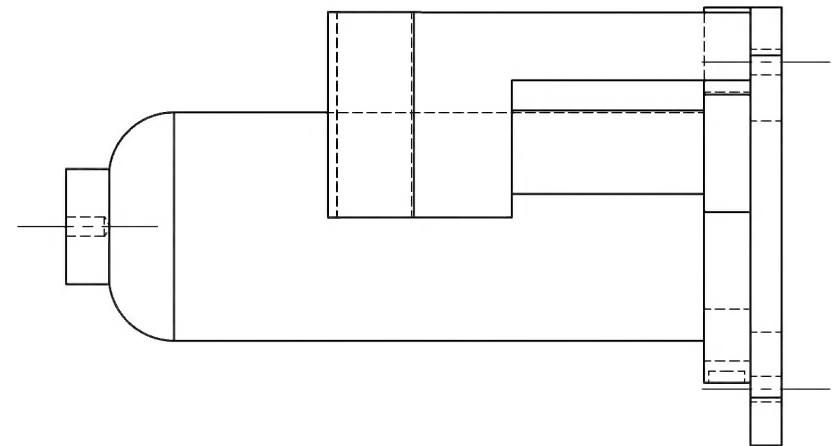
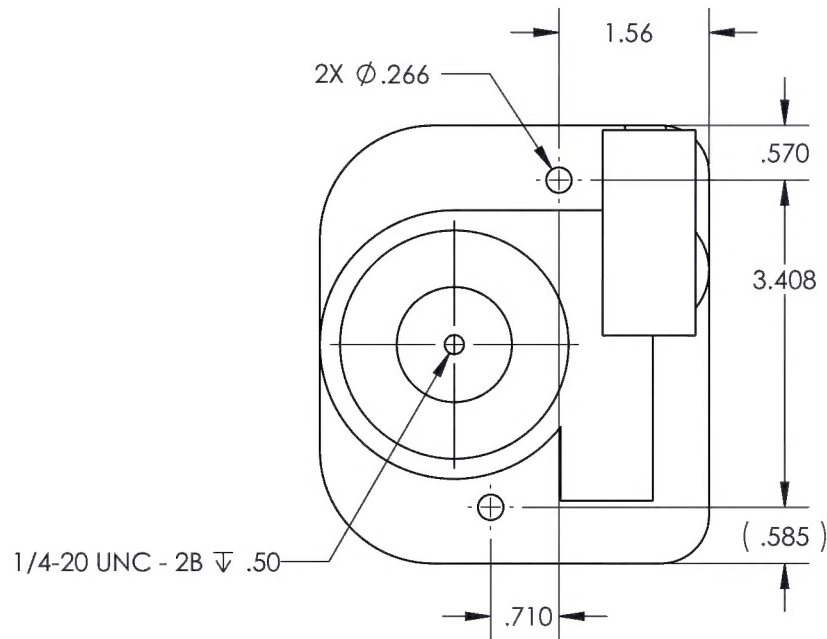
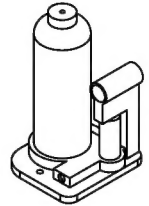
(-31)

HANDLE BAR

|  |   |
|--|---|
| <b>DART<br/>AEROSPACE</b>              |   |
| TITLE<br><b>GROUND HANDLING WHEELS</b> |   |
| DWG NO.<br><b>RB072610-H-00-31</b>     | REV<br><b>4</b>                               |
| MAT'L DOM                              | UNLESS OTHERWISE SPECIFIED                    |
| HEAT TREAT                             | DIMENSIONS ARE IN INCHES                      |
| FINISH SEE -29                         | .XXX ± .005 FRACTIONS ± 1/8                   |
| SPEC                                   | .XX ± .01 ANGLES ± 5°                         |
|  | .X ± .1 SURFACES = 125°                       |
| DRAWN BY: PERRITT                      | 1. BREAK ALL SHARP EDGES                      |
| CHECKED: DUERFELDT                     | .015 x 45° OR .015R                           |
| OPPS APPR: ANDERSON                    | 2. DIMENSIONAL LIMITS APPLY                   |
| QA APPR: LINDSAY                       | AFTER PLATING                                 |
| APPROVED: GILBERT                      | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 |
| SCALE 1:4                              | DATE 3/7/2011                                 |
| SHEET 17 OF 18                         |   |

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| REVISIONS |         |  |          |         |          |
|-----------|---------|--|----------|---------|----------|
| REV       | ECR     | DESCRIPTION                                  | DATE     | INITIAL | APPROVED |
| 3         | 16-0087 | -35 DELETED TACK IN TWO PLACES WELD CALLOUT. | 8/1/2016 | RJC     | JAG      |
| 4         | 17-0033 | -35 CH'D DIM WAS 1.563 IS 1.56.              | 2/8/2017 | SM      | JAG      |



(-35)

3 TON  
HYDRAULIC JACK

|  |  |
|--|--|
| <b>DART<br/>AEROSPACE</b>                |  |
| TITLE<br><b>GROUND HANDLING WHEELS</b>   |  |
| DWG NO.<br><b>RB072610-H-00-35</b>       | REV<br><b>4</b>  |
| MAT'L<br>REPT<br>TREAT<br>FINISH<br>SPEC | UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>.XXX $\pm$ .005 FRACTIONS $\pm$ 1/8<br>.XX $\pm$ .01 ANGLES $\pm$ .5°<br>.X $\pm$ .1 SURFACES = 125° |
| DRAWN BY: PERRITT                        | 1. BREAK ALL SHARP EDGES<br>.015 x 45° OR .015R  |
| CHECKED: DUERFELDT                       | 2. DIMENSIONAL LIMITS APPLY<br>AFTER PLATING   |
| OPPS APPR: ANDERSON                      | 3. INTERPRET DIM AND TOL PER<br>ASME Y14.5M-2009   |
| QA APPR: LINDSAY                         | USED ON MODEL  |
| APPROVED: GILBERT                        |  |
| SCALE 1:2                                | DATE 3/7/2011  |
| SHEET 18 OF 18                           |  |